

# PUBLIC HEALTH REPORTS

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VOLUME XXV

NUMBER 19

MAY 13, 1910



PUBLISHED WEEKLY BY THE  
**Public Health and Marine-Hospital Service**

IN ACCORDANCE WITH ACT OF CONGRESS APPROVED  
FEBRUARY 15, 1893



WASHINGTON  
GOVERNMENT PRINTING OFFICE  
1910

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# PUBLIC HEALTH REPORTS.

VOL. XXV.

MAY 13, 1910.

No. 19.

## UNITED STATES.

REPORTS TO THE SURGEON-GENERAL, PUBLIC HEALTH AND MARINE HOSPITAL SERVICE.

### PLAGUE-PREVENTION WORK.

#### INTIMATE ASSOCIATION OF RATS AND GROUND SQUIRRELS.

Acting Assistant Surgeon Converse reports:

Recent observations show several points of intimate contact between rats and squirrels in the immediate outskirts of San Francisco.

The facility with which bubonic plague might be transferred from plague-infected rats to healthy squirrels and vice versa from plague-infected ground squirrels to the noninfected rat population of a city is illustrated by the finding, on the immediate outskirts of San Francisco, of several places where rats (*Mus norvegicus*) and ground squirrels (*Citellus beecheyi*) have been found to live in the same burrows.

The first of these locations is a ravine, on one side of which are situated a tannery and a cluster of old and more or less dilapidated houses and on the other open fields. At the bottom of the ravine runs a small stream, which also serves the purpose of a sewer for several groups of houses situated farther upstream. A number of squirrel holes are to be seen along the bank, and several mounds along the stream at this point are perforated with them.

One of the foremen employed in the work of rat trapping noticed, on passing the spot, that both rats and squirrels were present. Traps were placed in the holes and rats and squirrels were caught from the same burrow. One of the squirrels, captured alive, was combed for fleas at the laboratory. From this one squirrel there were recovered *Ceratophyllus acutus*, 47 specimens, *Ctenopsyllus musculi*, 2 specimens, the first being the common squirrel flea, the second, a rat flea.

The second location is a chicken and duck ranch on which is situated a barn which was found to be rat-infested. There are a number of squirrel burrows in the fields immediately adjoining. At the time of the first observation this place was vacant. The squirrels had approached the barn, but on the sudden appearance of the

trapper had disappeared under the barn as a temporary hiding place. No doubt a number of other such points of contact will be discovered.

In each of these instances the rats, by short migration, are in contact with the rat population of the city and the squirrels are in contact with other squirrel colonies in the open country.

Passed Assistant Surgeon McCoy reports:

#### SAN FRANCISCO, CAL.

Last case of human plague sickened January 30, 1908. Last case of rodent plague trapped October 23, 1908. Total number of rats found infected to date, 398.

Week ended April 23, 1910. Premises inspected, 800. Houses destroyed, 19. Buildings condemned, 3. Nuisances abated, 68. Poisons placed, 7,800. Rats trapped, 2,014. Rats found dead, 23. Gophers trapped, 20. Rats identified, 2,037, as follows: *Mus norvegicus*, 1,614; *Mus rattus*, 95; *Mus musculus*, 281; *Mus alexandrinus*, 47. Average number of traps set daily, 7,473. Examined bacteriologically, 1,555 rats and 7 gophers. No plague infection found.

#### BERKELEY, CAL.

There is no record of rodent plague in Berkeley. The last case of human plague sickened August 28, 1907.

Week ended April 23, 1910. Rats trapped, 16. Rats identified, 16, all being *Mus norvegicus*. Rats examined bacteriologically, 16. No plague infection found.

#### OAKLAND, CAL.

Last case of human plague sickened October 26, 1909. Last case of rodent plague found December 1, 1908.

Week ended April 23, 1910. Rats found dead, 54. Rats trapped, 533. Rats identified, 587, as follows: *Mus norvegicus*, 516; *Mus musculus*, 71. Rats examined bacteriologically, 516. No plague-infected rats found.

#### ALAMEDA COUNTY, CAL. (Exclusive of the city of Oakland.)

Last case of human plague sickened 2 miles southwest of Sunol, September 26, 1909. Last case of rodent plague found March 25, 1910. To the present time 76 ground squirrels and 1 wood rat have been found infected.

Week ended April 23, 1910. Ranches inspected, 8. Ground squirrels shot, 76. Acres covered with poison, 149. Ground squirrels examined bacteriologically, 76. No plague-infected squirrels found.

#### FRESNO COUNTY, CAL.

There is no record of human or rodent plague in Fresno County.

Week ended April 23, 1910. Ranches inspected, 29. Ground squirrels shot, 910. Ground squirrels examined bacteriologically, 901. No plague-infected squirrels found.

**MERCED COUNTY, CAL.**

There is no record of human or rodent plague in Merced County. Week ended April 23, 1910. Ranches inspected, 5. Ground squirrels shot, 293. Ground squirrels examined bacteriologically, 288. No plague-infected squirrels found.

**MONTEREY COUNTY, CAL.**

There is no record of human or rodent plague in Monterey County. Week ended April 23, 1910. Ranches inspected, 34. Ground squirrels shot, 551; found dead, 1. Ground squirrels examined bacteriologically, 547. No plague-infected squirrels found.

**SAN LUIS OBISPO COUNTY, CAL.**

There is no record of human plague in San Luis Obispo County. A plague-infected rodent was found January 29, 1910.

Week ended April 23, 1910. Ranches inspected, 9. Ground squirrels shot, 232. Ground squirrels examined bacteriologically, 230. No plague-infected squirrels found.

**SAN MATEO COUNTY, CAL.**

There is no record of human or rodent plague in San Mateo County.

Week ended April 23, 1910. Ranches inspected, 7. Ground squirrels shot, 168. Ground squirrels examined bacteriologically, 165. No plague-infected squirrels found.

**SANTA BARBARA COUNTY, CAL.**

There is no record of human or rodent plague in Santa Barbara County.

Week ended April 23, 1910. Ranches inspected, 18. Ground squirrels shot, 362. Ground squirrels examined bacteriologically, 356. No plague-infected squirrels found.

**SANTA CLARA COUNTY, CAL.**

There is no record of human plague in Santa Clara County. A plague-infected rodent was found November 3, 1909. Total number of ground squirrels found infected to date, 9.

Week ended April 23, 1910. Ranches inspected, 6. Ground squirrels shot, 104. Ground squirrels examined bacteriologically, 100. No plague-infected squirrels found.

**TULARE COUNTY, CAL.**

There is no record of human or rodent plague in Tulare County.

Week ended April 23, 1910. Ranches inspected, 9. Ground squirrels shot, 419. Rabbits shot, 1. Examined bacteriologically, 414 squirrels and 1 rabbit. No plague infection found.

**VENTURA COUNTY, CAL.**

There is no record of human or rodent plague in Ventura County.

Week ended April 23, 1910. Ranches inspected, 15. Ground squirrels shot, 64. Ground squirrels examined bacteriologically, 60. No plague-infected squirrels found.

## Assistant Surgeon Chapin reports:

## SEATTLE, WASH.

No case of human plague since October 30, 1907. The last plague-infected rat was found February 8, 1910. Total plague-infected rats to date, 22.

Week ended April 23, 1910. Rats received, 848. Rats necropsied, 668. No plague-infected rats found.

## SMALLPOX IN THE UNITED STATES.

## Reports Received During Week Ended May 13, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Mobile.....	Apr. 24-30.....	16		
Montgomery.....	Apr. 24-30.....	8		
Maryland:				
Prince George County— Fort Washington.....	Apr. 1-30.....	1		
California:				
San Francisco.....	Apr. 17-23.....	4		
Colorado, general.....	Mar. 1-Apr. 30.....		3	
Adams County.....	Apr. 1-30.....	2		
Archuleta County.....	Apr. 1-30.....	1		
Boulder County.....	Apr. 1-30.....	1		
Conejos County.....	Apr. 1-30.....	18		
Delta County.....	Apr. 1-30.....	1		
Denver County.....	Apr. 1-30.....	23		
Gunnison County.....	Apr. 1-30.....	8		
Huerfano County.....	Apr. 1-30.....	12		
Jefferson County.....	Apr. 1-30.....	4		
Las Animas County.....	Apr. 1-30.....	3		
Mesa County.....	Apr. 1-30.....	2		
Mineral County.....	Apr. 1-30.....	1		
Montrose County.....	Apr. 1-30.....	1		
Morgan County.....	Apr. 1-30.....	1		
Otero County.....	Apr. 1-30.....	1		
Pueblo County.....	Apr. 1-30.....	2		
Rio Grande County.....	Apr. 1-30.....	3		
Saguache County.....	Apr. 1-30.....	23		
Weld County.....	Apr. 1-30.....	7		
District of Columbia	Apr. 24-30.....	4		
Florida:				
Duval County.....	Apr. 24-30.....	5		
Franklin County.....	Apr. 24-30.....	2		
Gadsden County.....	Apr. 24-30.....	2		
Volusia County.....	Apr. 24-30.....	2		
Walton County.....	Apr. 24-30.....	2		
Louisiana:				
New Orleans.....	Apr. 24-30.....	19	1	
Michigan:				
Antrim County.....	Apr. 1-30.....	6		
Arenac County.....	Apr. 1-30.....	4		
Barry County.....	Apr. 1-30.....	2		
Bay County.....	Apr. 1-30.....	28		
Berrien County.....	Apr. 1-30.....	2		
Calhoun County.....	Apr. 1-30.....	8		
Cass County.....	Apr. 1-30.....	3		
Clare County.....	Apr. 1-30.....	7		
Eaton County.....	Apr. 1-30.....	5		
Genesee County.....	Apr. 1-30.....	11		
Gladwin County.....	Apr. 1-30.....	9		
Gratiot County.....	Apr. 1-30.....	3		
Houghton County.....	Apr. 1-30.....	2		
Huron County.....	Apr. 1-30.....	7		
Ingham County.....	Apr. 1-30.....	4		
Ionia County.....	Apr. 1-30.....	1		
Iosco County.....	Apr. 1-30.....	3		
Kent County.....	Apr. 1-30.....	9		
Lapeer County.....	Apr. 1-30.....	11		
Manistee County.....	Apr. 1-30.....	2		
Mecosta County.....	Apr. 1-30.....	12		
Missaukee County.....	Apr. 1-30.....	1		
Oakland County.....	Apr. 1-30.....	2		
Ogemaw County.....	Apr. 1-30.....	33		
Ontonagon County.....	Apr. 1-30.....	1		



## SMALLPOX IN THE UNITED STATES—Continued.

## Reports Received During Week Ended May 13, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Michigan—Continued.</b>				
Osceola County.....	Apr. 1-30.....	11		
Ottawa County.....	Apr. 1-30.....	5		
Presque Isle County.....	Apr. 1-30.....	2		
Saginaw County.....	Apr. 1-30.....	37		
St. Clair County.....	Apr. 1-30.....	10		
Salina County.....	Apr. 1-30.....	6		
Shiawassee County.....	Apr. 1-30.....	1		
Tuscola County.....	Apr. 1-30.....	4		
Wayne County.....	Apr. 1-30.....	1		
<b>Mississippi:</b>				
Marshall County.....	Apr. 24-30.....	2		
<b>Missouri:</b>				
St. Louis.....	Apr. 24-30.....	3		
<b>South Carolina:</b>				
Charleston.....	Apr. 1-30.....	3		
<b>Tennessee:</b>				
Chattanooga.....	Apr. 23-30.....	7		
Knoxville.....	Apr. 24-30.....	12		
Memphis.....	Apr. 24-30.....	6		
<b>Texas:</b>				
El Paso.....	Mar. 1-31.....	8		
Meridian.....	Apr. 24-30.....	1	1	
San Antonio.....	Apr. 17-23.....	1		
<b>Virginia:</b>				
Lynchburg.....	Apr. 24-30.....	1		
Norfolk.....	Apr. 1-May 3.....	5		1 case from the s. s. Pocahontas.

## Reports Received from January 1 to May 6, 1910.

[For reports received from June 25, 1909, to December 31, 1909, see PUBLIC HEALTH REPORTS for December 31, 1909. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Alabama:</b>				
Birmingham.....	Jan. 9-Apr. 23.....	57		
Mobile.....	Jan. 16-Apr. 23.....	11		
Montgomery.....	Dec. 19-Apr. 23.....	450	1	
Total for State.....		518	1	
<b>Arkansas:</b>				
Argenta.....	Jan. 22-Feb. 12.....	11		
Little Rock.....	Jan. 1-Mar. 12.....	92		
Lonoke.....	Jan. 6-20.....	2		
Monticello.....	Year 1909.....	60		
Total for State.....		165		
<b>California:</b>				
Berkeley.....	Dec. 26-Jan. 1.....	1		
Los Angeles.....	Jan. 12-Apr. 16.....	8		
Oakland.....	Dec. 26-Jan. 1.....	1		
Sacramento County.....	Jan. 1-31.....		1	
Sacramento.....	Dec. 12-Mar. 31.....	56		
San Francisco.....	Dec. 19-Mar. 26.....	23		
Total for State.....		89	1	
<b>Colorado:</b>				
Adams County.....	Mar. 1-31.....	1		
Bent County.....	Feb. 1-28.....	10		
Boulder County—				
Boulder.....	Dec. 19-25.....	1		
Chaffee County.....	Jan. 1-31.....	6		
Clear Creek County.....	Mar. 1-31.....	1		
Conejos County.....	Jan. 1-Mar. 31.....	50		
Delta County.....	Mar. 1-31.....	1		
Denver County.....	Jan. 1-Mar. 31.....	41		
Fremont County.....	Feb. 1-28.....	14		
Garfield County.....	Jan. 1-31.....	1		
Huerfano County.....	Jan. 1-Mar. 31.....	16		
Jefferson County.....	Feb. 1-28.....	1		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to May 6, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Colorado—Continued.</b>				
La Plata County.....	Feb. 1-28.....	4		
Larimer County.....	Jan. 1-31.....	4		
Las Animas County.....	Jan. 1-Mar. 31.....	25		
Logan County.....	Jan. 1-Feb. 28.....	17		
Mesa County.....	Jan. 1-31.....	4		
Fruita district.....	Dec. 26-Jan. 1.....	3		
Montrose County.....	Jan. 1-Mar. 31.....	86		
Morgan County.....	Jan. 1-Mar. 31.....	28		
Otero County.....	Jan. 1-31.....	1		
Ouray County.....	Jan. 1-Feb. 28.....	13		
Pitkin County.....	Feb. 1-Mar. 31.....	9		
Prowers County.....	Mar. 1-31.....	9		
Pueblo County.....	Feb. 1-Mar. 31.....	3		
Rio Grande County.....	Feb. 1-28.....	1		
San Miguel County.....	Jan. 1-31.....	1		
Summit County.....	Jan. 1-31.....	1		
Weld County.....	Jan. 1-Mar. 31.....	45		
Total for State.....		397		
District of Columbia.....	Dec. 19-Apr. 23.....	53		
Total for District.....		53		
<b>Florida:</b>				
Alachua County.....	Jan. 1-Apr. 23.....	4		
Citrus County.....	Mar. 27-Apr. 2.....	2		
Columbia County.....	Feb. 13-19.....	2		
Duval County.....	Jan. 1-Apr. 23.....	18		
Jacksonville.....	Jan. 30-Mar. 12.....	4		
Escambia County.....	Feb. 6-Apr. 9.....	60		
Pensacola.....	Feb. 20-26.....	1		
Gadsden County.....	Jan. 1-Apr. 9.....	4		
Hillsboro County.....	Jan. 1-31.....	1		
Jackson County.....	Mar. 20-26.....	19		
Jefferson County.....	Mar. 20-26.....	15		
Leon County.....	Feb. 20-Mar. 26.....	24		
Liberty County.....	Jan. 1-31.....	1		
Santa Rosa County.....	Mar. 20-Apr. 23.....	11		
Volusia County.....	Mar. 6-Apr. 16.....	2		
Walton County.....	Jan. 1-31.....	3		
Total for State.....		171		
<b>Georgia:</b>				
Columbus.....	Apr. 17-23.....	1	1	
Macon.....	Jan. 1-31.....	51		
Total for State.....		52	1	
<b>Illinois:</b>				
Alexander County.....	Jan. 1-31.....	6		
Bond County.....	Mar. 1-31.....	2		
Cass County.....	Feb. 1-Mar. 31.....	16		
Coles County.....	Jan. 1-Mar. 31.....	7		
Cook County—				
Chicago.....	Dec. 19-Mar. 31.....	4		
Dupage County.....	Feb. 1-28.....			Present.
Edwards County.....	Jan. 1-Mar. 31.....	32		
Effingham County.....	Jan. 1-Feb. 28.....	82		
Fayette County.....	Jan. 1-Feb. 28.....	2		
Franklin County.....	Jan. 1-31.....	6		
Gallatin County.....	Feb. 1-28.....	2		
Iroquois County.....	Feb. 1-28.....	1		
Jackson County.....	Jan. 1-Feb. 28.....	3		
Jasper County.....	Feb. 1-28.....			Do.
Kane County.....	Jan. 1-31.....	1		
Livingston County.....	Feb. 1-Mar. 31.....	4		
Macon County.....	Jan. 1-31.....	1		
McLean County.....	Jan. 1-Mar. 31.....	2		
Madison County.....	Feb. 1-Mar. 31.....	6		
Marion County.....	Feb. 1-28.....	2		
Montgomery County.....	Jan. 1-Feb. 28.....	10		
Morgan County.....	Mar. 1-31.....	3		
Pike County.....	Feb. 1-28.....	2		
Pulaski County.....	Jan. 1-31.....	2		
Richland County.....	Mar. 1-31.....	1		
Sangamon County.....	Jan. 1-31.....	4		Do.
Shelby County.....	Jan. 1-Feb. 28.....	10		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to May 6, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Illinois—Continued.</b>				
Wabash County.....	Jan. 1-31.....			Present.
Wayne County.....	Jan. 1-31.....	5		
Williamson County.....	Jan. 1-Mar. 31.....	76		
Total for State.....		292		
<b>Indiana:</b>				
Adams County.....	Oct. 1-Feb. 28.....	6		
Allen County.....	Oct. 1-Jan. 31.....	187	1	
Boone County.....	Feb. 1-28.....	3		
Carroll County.....	Nov. 1-Jan. 21.....	2		
Clark County.....	Dec. 1-Jan. 31.....	20		
Clinton County.....	Dec. 1-Feb. 28.....	45		
Crawford County.....	Jan. 1-Feb. 28.....	2		
Davless County.....	Nov. 1-Feb. 28.....	30		
Decatur County.....	Jan. 1-Feb. 28.....	5		
Dekalb County.....	Dec. 1-Apr. 2.....	4		
Delaware County.....	Oct. 1-Nov. 30.....	20		
Fountain County.....	Jan. 1-31.....	1		
Fulton County.....	Jan. 1-Apr. 2.....	12		
Grant County.....	Oct. 1-Apr. 2.....	42	1	
Greene County.....	Oct. 1-31.....	6		
Hamilton County.....	Jan. 1-31.....	4		
Henry County.....	Jan. 1-31.....	2		
Huntington County.....	Jan. 1-Apr. 2.....	4		
Jefferson County.....	Nov. 1-30.....	1		
Jennings County.....	Jan. 1-Apr. 2.....	10		
Knox County.....	Oct. 1-31.....	7		
Laporte County.....	Dec. 1-31.....	1		
Madison County.....	Jan. 1-Apr. 2.....	4		
Marion County.....	Dec. 1-Apr. 2.....	4		
Marshall County.....	Oct. 1-Apr. 2.....	82		
Martin County.....	Jan. 1-31.....	1		
Miami County.....	Jan. 1-Apr. 2.....	4		
Montgomery County.....	Jan. 1-31.....	2		
Noble County.....	Nov. 1-Jan. 31.....	2		
Randolph County.....	Oct. 1-Apr. 2.....	2		
St. Joseph County.....	Oct. 1-Apr. 2.....	24		
Shelby County.....	Dec. 1-Apr. 2.....	49		
Steuben County.....	Nov. 1-30.....	3		
Tippecanoe County.....	Dec. 1-Apr. 2.....	4		
Vanderburg County.....	Oct. 1-31.....	8		
Vigo County.....	Feb. 1-28.....	1		
Wabash County.....	Feb. 1-28.....	7		
Warren County.....	Nov. 1-30.....	1		
Warrick County.....	Feb. 1-28.....	1		
Washington County.....	Jan. 1-31.....	1		
Wayne County.....	Nov. 1-Jan. 31.....	1		
Total for State.....		615	2	
<b>Iowa, general.</b>				
Jan. 1-31.....		19		
Audubon County.....	Mar. 1-31.....	1		
Benton County.....	Mar. 1-31.....	1		
Buchanan County.....	Feb. 1-Mar. 31.....	9		
Buena Vista County.....	Jan. 1-31.....	1		
Calhoun County.....	Jan. 1-31.....	10		
Carroll County.....	Mar. 1-31.....	1		
Cass County.....	Jan. 1-31.....	1		
Cedar County.....	Jan. 1-Mar. 31.....	4		
Cherokee County.....	Jan. 1-Mar. 31.....	25		
Clayton County.....	Jan. 1-31.....	1		
Clinton County.....	Mar. 1-31.....	1		
Dallas County.....	Jan. 1-Mar. 31.....	6		
Delaware County.....	Feb. 1-28.....	4		
Dubuque County.....	Jan. 1-Mar. 31.....	47		
Floyd County.....	Feb. 1-28.....	2		
Grundy County.....	Feb. 1-28.....	4		
Jefferson County.....	Mar. 1-31.....	1		
Jones County.....	Jan. 1-Feb. 28.....	3		
Linn County.....	Jan. 1-Mar. 31.....	8		
Cedar Rapids.....	Dec. 1-31.....	7		
Lyon County.....	Mar. 1-31.....	6		
Madison County.....	Jan. 1-31.....	1		
Marion County.....	Jan. 1-31.....	2		
Marshall County.....	Jan. 1-Feb. 28.....	5		
Mitchell County.....	Feb. 1-Mar. 31.....	2		
Monroe County.....	Jan. 1-Feb. 28.....	3		
Osceola County.....	Mar. 1-31.....	1		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to May 6, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Iowa—Continued.</b>				
Polk County.....	Jan. 1-Mar. 31.....	75		
Pottawattamie County.....	Jan. 1-31.....	1		
Poweshiek County.....	Jan. 1-Mar. 31.....	19		
Scott County.....	Feb. 1-Mar. 31.....	5		
Sioux County.....	Jan. 1-Mar. 31.....	17		
Story County.....	Feb. 1-28.....	32		
Winnebago County.....	Feb. 1-28.....	5		
Woodbury County.....	Feb. 1-Mar. 31.....	3		
Sioux City.....	Dec. 1-31.....	2		
Wright County.....	Feb. 1-Mar. 31.....	2		
Total for State.....		337		
<b>Kansas:</b>				
Allen County.....	Jan. 1-Mar. 31.....	7		
Atchison County.....	Feb. 1-Mar. 31.....	10		
Atchison.....	Mar. 1-31.....	4		
Barton County.....	Jan. 1-31.....	1		
Bourbon County.....	Jan. 1-31.....	3		
Butler County.....	Feb. 1-Mar. 31.....	8		
Chautauqua County.....	Mar. 1-31.....	10		
Cherokee County.....	Jan. 1-Mar. 31.....	21		
Clark County.....	Mar. 1-31.....	5		
Clay County.....	Nov. 1-30.....	1		
Cloud County.....	Nov. 1-30.....	1		
Cowley County.....	Nov. 1-30.....	3		
Crawford County.....	Dec. 1-Mar. 31.....	5		
Pittsburg.....	Jan. 1-Mar. 31.....	9		
Decatur County.....	Nov. 1-Mar. 31.....	39		
Dickinson County.....	Jan. 1-Feb. 28.....	11		
Doniphan County.....	Mar. 1-31.....	12		
Douglas County.....	Dec. 1-Mar. 31.....	4		
Ellsworth County.....	Jan. 1-Feb. 28.....	18		
Finney County.....	Jan. 1-31.....	1		
Ford County.....	Jan. 1-Mar. 31.....	9	1	
Franklin County.....	Mar. 1-31.....	3		
Gove County.....	Dec. 1-31.....	3		
Graham County.....	Nov. 1-Feb. 28.....	47		
Gray County.....	Jan. 1-Feb. 28.....	25		
Greenwood County.....	Mar. 1-31.....	9		
Hamilton County.....	Jan. 1-31.....	2		
Harper County.....	Feb. 1-28.....	1		
Harvey County.....	Feb. 1-Mar. 31.....	5		
Jackson County.....	Dec. 1-Mar. 31.....	12		
Jefferson County.....	Feb. 1-28.....	2		
Jewell County.....	Nov. 1-Mar. 31.....	58		
Kearny County.....	Jan. 1-31.....	1		
Kingman County.....	Feb. 1-28.....	11		
Kiowa County.....	Jan. 1-31.....	2		
Labette County.....	Jan. 1-Mar. 31.....	9		
Parsons.....	Mar. 1-31.....	4		
Lane County.....	Nov. 1-30.....	1		
Leavenworth County.....	Dec. 1-Feb. 28.....	2		
Lincoln County.....	Mar. 1-31.....	1		
Logan County.....	Jan. 1-31.....	2		
Lyon County.....	Dec. 1-31.....	1		
McPherson County.....	Dec. 1-Jan. 31.....	3		
Marion County.....	Mar. 1-31.....	1		
Marshall County.....	Dec. 1-31.....	20		
Miami County.....	Jan. 1-31.....	3		
Montgomery County.....	Nov. 1-Mar. 31.....	180		
Coffeyville.....	Jan. 1-Feb. 28.....	36		
Nemaha County.....	Jan. 1-31.....	1		
Neosho County.....	Jan. 1-31.....	1		
Ness County.....	Dec. 1-Mar. 31.....	15		
Norton County.....	Nov. 1-Feb. 28.....	40		
Osage County.....	Jan. 1-Mar. 31.....	61		
Osborne County.....	Mar. 1-31.....	4		
Phillips County.....	Jan. 1-Mar. 31.....	11		
Pottawatomie County.....	Nov. 1-Mar. 31.....	36		
Pratt County.....	Feb. 1-28.....	1		
Rawlins County.....	Jan. 1-Mar. 31.....	25		
Reno County.....	Nov. 1-Feb. 28.....	151		
Republic County.....	Feb. 1-Mar. 28.....	5		
Rice County.....	Jan. 1-Feb. 28.....	8		
Riley County.....	Jan. 1-Feb. 28.....	18		
Rooks County.....	Feb. 1-28.....	2		
Rush County.....	Jan. 1-31.....	5		
Russell County.....	Jan. 1-Feb. 28.....	4		
Saline County.....	Dec. 1-Mar. 31.....	4		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to May 6, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Kansas—Continued.</b>				
Scott County.....	Nov. 1-Feb. 28....	19		
Sedgwick County.....	Dec. 1-Mar. 31....	10	1	
Wichita.....	Jan. 1-31.....	1		
Shawnee County.....	Dec. 1-Mar. 31....	58		
Topeka.....	Nov. 1-Mar. 31....	72		
Sheridan County.....	Nov. 1-Jan. 31....	8		
Smith County.....	Jan. 1-Mar. 31....	5		
Sumner County.....	Nov. 1-Mar. 31....	14		
Thomas County.....	Jan. 1-31.....	1		
Wabaunsee County.....	Nov. 1-Mar. 31....	4		
Wilson County.....	Nov. 1-Feb. 28....	4		
Woodson County.....	Jan. 1-Feb. 28....	28		
Wyandotte County.....	Dec. 1-Jan. 31....	91		
Kansas City.....	Jan. 1-Mar. 31....	76		
Total for State.....		1,409	2	
<b>Kentucky:</b>				
Hartford.....	Dec. 12-18.....	2		
Lexington.....	Dec. 12-Jan. 29....	4		
Paducah.....	Jan. 5-11.....	1		
Total for State.....		7		
<b>Louisiana:</b>				
Caddo Parish—				
Shreveport.....	Jan. 23-Feb. 28....	5	2	
Iberia Parish.....	Feb. 1-Mar. 31....	9		
Natchitoches Parish.....	Feb. 1-28.....	6		
Orleans Parish—				
New Orleans.....	Dec. 26-Apr. 23....	159		
Morehouse Parish.....	Feb. 1-28.....	2		
St. John Parish.....	Feb. 1-Mar. 31....	44		
St. Tammany Parish.....	Mar. 1-31.....	6		
Tensas Parish.....	Feb. 1-Mar. 31....	17		
West Feliciana Parish.....	Mar. 1-31.....	2		
Total for State.....		250	2	
<b>Maine:</b>				
Aroostook County—				
Caribou.....	Feb. 1-28.....	6		
Total for State.....		6		
<b>Maryland:</b>				
Baltimore.....	Dec. 26-Jan. 1....	1		
Dorchester County.....	Dec. 3-31.....	4		
Garrett County.....	Jan. 8-31.....	1		
Total for State.....		6		
<b>Massachusetts:</b>				
Bristol County.....	Feb. 1-28.....	6		
Essex County.....	Jan. 1-Mar. 31....	2		
Middlesex County.....	Jan. 1-Mar. 31....	77		
Norfolk County.....	Mar. 1-31.....	1		
Lynn County.....	Jan. 1-31.....	4		
Plymouth County.....	Feb. 1-28.....	4		
Suffolk County.....	Jan. 1-Mar. 31....	4		
Worcester County.....	Jan. 1-Mar. 31....	23		
Total for State.....		121		
<b>Michigan:</b>				
Alcona County.....	Nov. 1-Mar. 31....	31		
Alpena County.....	Mar. 1-31.....	1		
Antrim County.....	Nov. 1-Mar. 31....	34		
Arenac County.....	Nov. 1-Mar. 31....	142		
Bay County.....	Nov. 1-Mar. 31....	154		
Benzie County.....	Mar. 1-31.....	1		
Berrien County.....	Jan. 1-Mar. 31....	30		
Calhoun County.....	Feb. 1-Mar. 31....	3		
Cass County.....	Feb. 1-Mar. 31....	2		
Cheboygan County.....	Mar. 1-31.....	1		
Clare County.....	Feb. 1-Mar. 31....	5		
Delta County.....	Dec. 1-Mar. 31....	2		
Eaton County.....	Feb. 1-Mar. 31....	8		
Emmet County.....	Nov. 1-Feb. 28....	4		
Genesee County.....	Nov. 1-Mar. 31....	279		
Gladwin County.....	Nov. 1-Jan. 31....	8		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to May 6, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Michigan—Continued.</b>				
Gratiot County.....	Nov. 1-30.....	1		
Hillsdale County.....	Mar. 1-31.....	1		
Houghton County.....	Nov. 1-Mar. 31.....	59		
Huron County.....	Feb. 1-Mar. 31.....	37		
Ingham County.....	Dec. 1-Mar. 31.....	14		
Ionia County.....	Nov. 1-Mar. 31.....	42		
Iscos County.....	Dec. 1-Mar. 31.....	6	1	
Kent County.....	Dec. 1-Feb. 28.....	5		
Keweenaw County.....	Jan. 1-Mar. 31.....	4		
Lapeer County.....	Nov. 1-Mar. 31.....	25		
Livingston County.....	Nov. 1-Mar. 31.....	32		
Manistee County.....	Feb. 1-Mar. 31.....	9		
Marquette County.....	Nov. 1-30.....	1		
Mason County.....	Nov. 1-30.....	1		
Mecosta County.....	Jan. 1-Mar. 31.....	19		
Midland County.....	Dec. 1-Feb. 28.....	11		
Missaukee County.....	Jan. 1-Mar. 31.....	34		
Montcalm County.....	Nov. 1-Mar. 31.....	14		
Montmorency County.....	Dec. 1-Mar. 31.....	38		
Oakland County.....	Jan. 1-Mar. 31.....	2		
Oceana County.....	Jan. 1-31.....	1		
Ogemaw County.....	Jan. 1-Mar. 31.....	25		
Ontonagon County.....	Nov. 1-Mar. 31.....	20		
Osceola County.....	Dec. 1-Mar. 31.....	16		
Oscoda County.....	Jan. 1-Feb. 28.....	7		
Otsego County.....	Dec. 1-31.....	1		
Presque Isle County.....	Dec. 1-Mar. 31.....	8		
Roscommon County.....	Jan. 1-31.....	6		
Saginaw County.....	Dec. 1-Feb. 28.....	109		
St. Clair County.....	Jan. 1-Mar. 31.....	22		
Sanilac County.....	Nov. 1-Mar. 31.....	7		
Shiawassee County.....	Dec. 1-Mar. 31.....	10		
Tuscola County.....	Feb. 1-Mar. 31.....	25		
Wayne County.....	Dec. 1-Feb. 28.....	8		
Total for State.....		1,331	1	
<b>Minnesota, general.</b>				
Anoka County.....	Jan. 1-31.....		1	
Becker County.....	Feb. 1-28.....	5		
Beltrami County.....	Jan. 4-10.....	3		
Benton County.....	Dec. 21-Mar. 20.....	4		
Blue Earth County.....	Dec. 14-20.....	7		
Carver County.....	Dec. 21-27.....	1		
Chippewa County.....	Dec. 7-Jan. 3.....	4		
Chisago County.....	Jan. 11-17.....	1		
Cook County.....	Feb. 15-Apr. 3.....	8		
Crow Wing County.....	Jan. 25-31.....	2		
Dakota County.....	Mar. 1-20.....	5		
Dodge County.....	Feb. 1-Mar. 20.....	9		
Dodge County.....	Jan. 25-31.....	1		
Faribault County.....	Feb. 8-Mar. 13.....	2		
Freeborn County.....	Jan. 18-Mar. 6.....	20		
Goodhue County.....	Dec. 28-Jan. 31.....	1		
Hennepin County.....	Dec. 28-Apr. 3.....	80		
Houston County.....	Feb. 8-14.....	4		
Hubbard County.....	Mar. 1-6.....	1		
Isanti County.....	Feb. 21-28.....	1		
Itasca County.....	Dec. 14-Feb. 28.....	2		
Kandiyohi County.....	Dec. 7-Apr. 3.....	3		
Koochiching County.....	Feb. 1-Mar. 6.....	2		
Lake County.....	Jan. 18-Mar. 13.....	9		
Lesueur County.....	Jan. 1-31.....		1	
McLeod County.....	Mar. 7-13.....	1		
Martin County.....	Mar. 7-20.....	2		
Mower County.....	Dec. 28-Apr. 3.....	31		
Nicollet County.....	Feb. 15-Mar. 13.....	3		
Nobles County.....	Jan. 18-25.....	1		
Norman County.....	Jan. 18-Mar. 13.....	3		
Olmsted County.....	Feb. 8-Apr. 3.....	2		
Ottertail County.....	Dec. 21-Mar. 6.....	28		
Pine County.....	Feb. 22-28.....	1		
Polk County.....	Dec. 7-Mar. 6.....	2		
Ramsey County.....	Jan. 11-Mar. 20.....	15		
Red Lake County.....	Dec. 7-Mar. 20.....	6		
Renville County.....	Dec. 7-13.....	1		
Rice County.....	Jan. 11-17.....	1		
Rock County.....	Dec. 7-Feb. 21.....	22		
Roseau County.....	Dec. 7-Apr. 3.....	40		
St. Louis County.....	Dec. 7-Mar. 27.....	44		
Scott County.....	Mar. 21-27.....	1		
Sherburne County.....	Jan. 11-Mar. 27.....	2		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to May 6, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Minnesota—Continued.</b>				
Sibley County.....	Dec. 28-Feb. 28...	9		
Stearns County.....	Feb. 1-21.....	4		
Swift County.....	Feb. 8-Mar. 20....	5		
Todd County.....	Dec. 28-Mar. 20....	4		
Wabasha County.....	Dec. 13-Feb. 21....	29		
Wadena County.....	Feb. 1-21.....	15		
Wilkin County.....	Feb. 15-21.....	1		
Watson County.....	Dec. 28-Jan. 31....	1		
Wright County.....	Dec. 7-Mar. 20....	46		
Yellow Medicine County...	Feb. 22-28.....	9		
Total for State.....		504	2	
<b>Mississippi:</b>				
Adams County—				
Natchez.....	Dec. 26-Feb. 26....	90	2	
Clairborne County—				
Port Gibson.....	Dec. 19-25.....	1		
Coahoma County.....	Jan. 1-Apr. 1.....	80		
Harrison County—				
Biloxi.....	Jan. 2-Feb. 3.....	5		
Gulfport.....	Jan. 26-Mar. 9....	9		
Marshall County.....	Jan. 30-Mar. 5....	4	1	
Holly Springs.....	Jan. 2-29.....	6		
Wilkinson County—				
Woodville.....	Feb. 27-Mar. 19....	27	1	
Total for State.....		222	4	
<b>Missouri:</b>				
Andrew County.....	Jan. 23-Feb. 26....	5		
Joplin.....	Jan. 16-22.....	1		
Kansas City.....	Jan. 2-Apr. 9.....	29	1	
Kohoka.....	Apr. 20-26.....	2		
St. Joseph.....	Jan. 2-Feb. 5.....	7		
St. Louis.....	Dec. 26-Apr. 23....	37		
Springfield.....	Jan. 1-Mar. 31....	6		
Total for State.....		87	1	
<b>Montana:</b>				
Beaverhead County.....	Dec. 1-Feb. 28....	5		
Broadwater County.....	Feb. 1-28.....	2		
Carbon County.....	Jan. 1-31.....	1		
Chouteau County.....	Jan. 1-31.....	6		
Custer County.....	Feb. 1-Mar. 31....	2		
Dawson County.....	Nov. 1-Jan. 31....	6		
Deerlodge County.....	Feb. 1-Mar. 31....	2		
Flathead County.....	Oct. 1-Nov. 30....	6		
Gallatin County.....	Dec. 1-Feb. 28....	3		
Jefferson County.....	Nov. 1-30.....	1		
Lewis and Clark County...	Oct. 1-Feb. 28....	31		
Madison County.....	Jan. 1-Feb. 28....	2		
Meagher County.....	Feb. 1-28.....	2		
Missoula County.....	Oct. 1-Mar. 31....	79		
Park County.....	Nov. 1-Jan. 31....	14		
Powell County.....	Nov. 1-Mar. 31....	4		
Ravalli County.....	Nov. 1-Mar. 31....	7		
Sanders County.....	Jan. 1-Mar. 31....	8		
Silverbow County.....	Oct. 1-Mar. 31....	199		
Butte.....	Dec. 19-Mar. 31....	57		
Yellowstone County.....	Jan. 1-31.....	2		
Total for State.....		439		
<b>Nebraska:</b>				
Lincoln.....	Jan. 1-Feb. 28....	5		
South Omaha.....	Dec. 5-11.....	3		
Total for State.....		8		
<b>New Hampshire (entire State).</b>				
Jan. 1-Feb. 28.....		7		
<b>New Jersey:</b>				
Bergen County.....	Feb. 1-28.....	1		
Hudson County.....	Mar. 1-31.....	1		
Passaic County.....	Jan. 1-31.....	1		
Trenton.....	Jan. 30-Feb. 5....	1		
Total for State.....		4		



## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to May 6, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
New York, general.....	Sept. 1-Nov. 30...	33	1	
Allegany County.....	Mar. 1-31.....	1		
Cattaraugus County.....	Dec. 1-31.....	1		
Cayuga County.....	Dec. 1-31.....	1		
Chautauqua County.....	Mar. 1-31.....	1		
Cortland County.....	Feb. 1-Mar. 28.....	1		
Erie County.....	Dec. 1-31.....	17		
Buffalo.....	Feb. 1-28.....	1	1	
Tonawanda, township.....	Mar. 1-31.....	1		
Tonawanda, city.....	Feb. 1-Mar. 31.....	23		
Herkimer County.....	Feb. 1-Mar. 31.....	24		
Jefferson County.....	Dec. 1-Mar. 31.....	9		
Lewis County.....	Dec. 1-Mar. 31.....	13		
Nassau County.....	Mar. 1-31.....	1		
Niagara County.....	Dec. 1-Jan. 31.....	40		
North Tonawanda.....	Feb. 1-Mar. 31.....	33		
Northfield.....	Mar. 1-31.....	1		
Oneida County.....	Dec. 1-Jan. 31.....	2		
St. Lawrence County.....	Jan. 1-Mar. 31.....	21		
Ulster County.....	Jan. 1-31.....	2		
Westchester County.....	Jan. 1-31.....	1		
Total for State.....		227	2	
North Carolina:				
Alamance County.....	Jan. 1-Feb. 28.....	86		
Beaufort County.....	Jan. 1-Feb. 28.....	11		
Bertie County.....	Jan. 1-31.....	6		
Bladen County.....	Nov. 1-Jan. 31.....	21		
Burke County.....	Jan. 1-31.....	20		
Cabarrus County.....	Jan. 1-Feb. 28.....	15		
Caldwell County.....	Jan. 1-Feb. 28.....	31		
Carteret County.....	Jan. 1-Feb. 28.....	3		
Catawba County.....	Oct. 1-Feb. 28.....	62		
Chatham County.....	Jan. 1-31.....	2		
Chowan County.....	Oct. 1-Feb. 28.....	17		
Cleveland County.....	Oct. 1-Feb. 28.....	4		
Craven County.....	Nov. 1-Feb. 28.....	10		
Currituck County.....	Oct. 1-Feb. 28.....	5		
Davidson County.....	Oct. 1-Feb. 28.....	50		
Davie County.....	Jan. 1-Feb. 28.....	29		
Duplin County.....	Nov. 1-Feb. 28.....	24		
Durham County.....	Jan. 1-31.....	3		
Edgecombe County.....	Jan. 1-Feb. 28.....	24		
Forsyth County.....	Oct. 1-Feb. 28.....	101		
Franklin County.....	Oct. 1-Feb. 28.....	185		
Gaston County.....	Nov. 1-Feb. 28.....	26		
Greene County.....	Nov. 1-Feb. 28.....	50		
Guilford County.....	Nov. 1-Feb. 28.....	112		
Iredell County.....	Jan. 1-Feb. 28.....	5		
Johnston County.....	Nov. 1-Jan. 31.....	23		
Jones County.....	Oct. 1-Nov. 30.....	12		
Lee County.....	Feb. 1-28.....	3		
Lenoir County.....	Jan. 1-Feb. 28.....	37		
Lincoln County.....	Jan. 1-Feb. 28.....	8		
McDowell County.....	Nov. 1-Feb. 28.....	75		
Mecklenburg County.....	Nov. 1-Feb. 28.....	102	1	
Nash County.....	Jan. 1-Feb. 28.....	125		Nov. 1-30, many cases.
New Hanover County.....	Feb. 1-28.....	1		
Onslow County.....	Jan. 1-Feb. 28.....	7		
Orange County.....	Feb. 1-28.....	2		
Pamlico County.....	Feb. 1-28.....	40		Jan. 1-31, present.
Perquimans County.....	Jan. 1-31.....	4		
Pitt County.....	Jan. 1-Feb. 28.....	70		
Randolph County.....	Jan. 1-31.....	2		
Richmond County.....	Feb. 1-28.....	1		
Robeson County.....	Oct. 1-Feb. 28.....	19		
Rockingham County.....	Nov. 1-Feb. 28.....	50		
Rowan County.....	Nov. 1-Feb. 28.....	21		
Rutherford County.....	Nov. 1-Feb. 28.....	61		
Sampson County.....	Jan. 1-Feb. 28.....	3		
Stokes County.....	Jan. 1-Feb. 28.....	160		
Surry County.....	Oct. 1-Feb. 28.....	16		
Union County.....	Oct. 1-Feb. 28.....	66		
Wake County.....	Nov. 1-Feb. 28.....	61		
Washington County.....	Feb. 1-28.....	2		
Wayne County.....	Nov. 1-Feb. 28.....	28		
Wilkes County.....	Jan. 1-Feb. 28.....	39		



## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to May 6, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>North Carolina—Continued.</b>				
Wilson County.....	Nov. 1-Feb. 28.....	224	.....	
Yadkin County.....	Oct. 1-Feb. 28.....	11	.....	
Yancey County.....	Oct. 1-Feb. 28.....	35	.....	
Total for State.....		2,210	1	
<b>North Dakota:</b>				
Barnes County.....	Mar. 1-31.....	2	.....	
Billings County.....	Jan. 1-Mar. 31.....	15	1	
Bottineau County.....	Oct. 1-31.....	1	.....	
Bowman County.....	Mar. 1-31.....	5	.....	
Cass County.....	Dec. 1-Mar. 31.....	8	.....	
Grand Forks County.....	Jan. 1-Mar. 31.....	3	.....	
Griggs County.....	Mar. 1-31.....	1	.....	
McLean County.....	Dec. 1-Jan. 31.....	4	.....	
Nelson County.....	Feb. 1-Mar. 31.....	16	.....	
Steele County.....	Feb. 1-Mar. 31.....	9	.....	
Walsh County.....	Jan. 1-31.....	95	.....	
Wells County.....	Mar. 1-31.....	23	.....	
Williams County.....	Feb. 1-28.....	6	.....	
Do.....	Mar. 1-31.....	1	.....	
Total for State.....		189	1	
<b>Ohio:</b>				
Allen County.....	Jan. 1-Mar. 31.....	37	.....	
Adams County.....	Jan. 1-31.....	1	.....	
Anguila County.....	Feb. 1-Mar. 31.....	19	.....	
Belmont County.....	Jan. 1-Feb. 28.....	7	.....	
Brown County.....	Jan. 1-Feb. 28.....	19	.....	
Clark County.....	Mar. 1-31.....	1	.....	
Clermont County.....	Jan. 1-31.....	1	.....	
Cuyahoga County—				
Cleveland.....	Dec. 19-26.....	1	.....	
Darke County.....	Jan. 1-31.....	3	.....	
Franklin County.....	Jan. 1-Feb. 28.....	7	.....	
Hamilton County.....	Jan. 1-Mar. 31.....	3	.....	
Jackson County.....	Jan. 1-Feb. 28.....	36	.....	
Knox County.....	Feb. 1-28.....	1	.....	
Miami County.....	Jan. 1-Feb. 28.....	2	.....	
Montgomery County.....	Jan. 1-Mar. 31.....	4	.....	
Paulding County.....	Mar. 1-31.....	2	.....	
Portage County.....	Feb. 1-Mar. 31.....	30	.....	
Richland County.....	Mar. 1-31.....	1	.....	
Ross County.....	Jan. 1-Mar. 31.....	17	.....	
Scioto County.....	Feb. 1-Mar. 31.....	4	.....	
Seneca County.....	Feb. 1-28.....	3	.....	
Shelby County.....	Jan. 1-Feb. 28.....	7	.....	
Van Wert County.....	Jan. 1-Mar. 31.....	37	.....	
Wayne County.....	Jan. 1-31.....	1	.....	
Williams County—				
Stryker.....	Dec. 19-25.....	1	.....	
Wyandot County.....	Feb. 1-28.....	4	.....	
Total for State.....		249		
<b>Oklahoma, general.</b>				
Beckham County.....	Jan. 1-Feb. 28.....	626	30	
Blaine County.....	Nov. 1-30.....	1	.....	
Coal County.....	Dec. 1-31.....	7	.....	
Comanche County.....	Aug. 1-Sept. 30.....	10	.....	
Creek County.....	Nov. 1-30.....	1	.....	
Garfield County.....	Oct. 1-Nov. 30.....	3	.....	
Grant County.....	Nov. 1-30.....	1	.....	
Harmon County.....	Aug. 1-31.....	1	.....	
Hughes County.....	Aug. 1-31.....	2	.....	
Jackson County.....	Aug. 1-31.....	3	.....	
Kingfisher County.....	Aug. 1-Nov. 30.....	19	.....	
Le Flore County.....	Oct. 1-31.....	2	.....	
Lincoln County.....	Oct. 1-31.....	1	.....	
McIntosh County.....	Aug. 1-31.....	3	.....	
Marshall County.....	Sept. 1-30.....	2	.....	
Muskogee County.....	Oct. 1-31.....	1	.....	
Okfuskee County.....	Oct. 1-31.....	1	.....	
Oklahoma County.....	Aug., Sept., and Nov.....	14	1	
Osage County.....	Sept. 1-Oct. 31.....	9	.....	
Pawnee County.....	Aug. 1-31.....	1	.....	

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to May 6, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Oklahoma—Continued.				
Pottawatomie County.....	Sept. 1-Nov. 30....	41		
Pushmataha County.....	Sept. 1-30.....	1		
Seminole County.....	Oct. 1-Nov. 30....	7		
Sequoyah County.....	Aug. 1-Sept. 30....	2		
Tulsa County.....	Nov. 1-30.....	3		
Washington County.....	Nov. 1-30.....	1		
Woodward County.....	Nov. 1-30.....	1		
Total for State.....		765	31	
Oregon (entire State).....	Sept. 1-Feb. 28....	118		
Portland.....	Nov. 1-30.....	2		
Total for State.....		120		
Pennsylvania (entire State)....	Dec. 1-Mar. 31....	97		
South Carolina:				
Clover.....	Jan. 23-29.....	3		
Total for State.....		3		
Tennessee:				
Davidson County—				
Nashville.....	Feb. 20-Apr. 23....	7		
Dekalb County.....	Dec. 12-Jan. 26....	10		
Hamilton County—				
Chattanooga.....	Dec. 26-Apr. 23....	73		
Knox County—				
Knoxville.....	Jan. 2-Apr. 23....	52		
Shelby County.....	Nov. 1-Jan. 31....	28		
Memphis.....	Nov. 1-Apr. 23....	219		
Washington County.....	Dec. 26-Feb. 5....	11		
Total for State.....		400		
Texas, general.....	Jan. 1-Feb. 28....	1,276		
Amarillo.....	Jan. 16-22.....	16		
Austin.....	Apr. 9-13.....			Present.
Atascosa County.....	Jan. 31-Feb. 19....	6		
Denton County.....	Dec. 26-Feb. 27....	106	15	
El Paso.....	Nov. 1-Apr. 16....	8	1	
Fort Prairie.....	Apr. 1.....			Do.
Fort Worth.....	Nov. 1-Apr. 2....	108	6	
Galveston.....	Feb. 6-Mar. 19....	5	1	
Hale County.....	Jan. 9-15.....	7		
Normanna.....	Jan. 1-31.....	12	5	
Rockdale.....	Feb. 13-19.....	3		
San Antonio.....	Dec. 5-Apr. 16....	38	1	
Taylor.....	Feb. 27-Mar. 19....	2		
Waco.....	Jan. 1-Mar. 31....	17		
Walnut Springs.....	Jan. 12-18.....	2		
Wills Point.....	Jan. 1-Mar. 31....	6	2	
Total for State.....		1,612	31	
Utah:				
Boxelder County.....	Dec. 1-Feb. 28....	49		
Cache County.....	Dec. 1-Feb. 28....	22		
Carbon County.....	Dec. 1-Jan. 31....	6		
Davis County.....	Dec. 1-Feb. 28....	44		
Juab County.....	Jan. 1-Feb. 28....	20		
Piute County.....	Dec. 1-31.....	1		
Rich County.....	Jan. 1-Feb. 28....	2		
Salt Lake County.....	Dec. 1-Feb. 28....	90		
San Pete County.....	Dec. 1-Feb. 28....	10		
Sevier County.....	Dec. 1-Feb. 28....	8		
Summit County.....	Jan. 1-31.....	12		
Tooele County.....	Dec. 1-31.....	1		
Uintah County.....	Dec. 1-Feb. 28....	30		
Utah County.....	Dec. 1-Feb. 28....	87		
Wasatch County.....	Dec. 1-Feb. 28....	10	1	
Weber County.....	Dec. 1-Feb. 28....	36		
Total for State.....		428	1	

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to May 6, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Virginia:</b>				
Brookneal.....	Apr. 10-16.....	1		At Craney Island quarantine station from the s. s. Pocahontas.
Lynchburg.....	Jan. 30-Apr. 16.....	54	1	
Norfolk.....	Apr. 19-23.....	1		
Petersburg.....	Dec. 26-Jan. 26.....	2		
Portsmouth.....	Jan. 16-29.....	2		
Richmond.....	Dec. 1-Feb. 28.....	7		
Total for State.....		67	1	
<b>Washington:</b>				
Asotin County.....	Jan. 1-31.....	1		
Chelan County.....	Feb. 1-28.....	1		
Columbia County.....	Feb. 1-28.....	4		
Cowlitz County.....	Feb. 1-28.....	2		
Franklin County.....	Jan. 1-31.....	2		
King County.....	Jan. 1-31.....	5		
Seattle.....	Jan. 2-31.....	7		
Kitsap County.....	Jan. 1-Feb. 28.....	4	1	
Klickitat County.....	Jan. 1-31.....	15		
Lewis County.....	Jan. 1-31.....	2		
Lincoln County.....	Jan. 1-31.....	1		
Okanogan County.....	Feb. 1-28.....	2		
Pierce County.....	Jan. 1-31.....	1		
Tacoma.....	Jan. 2-Feb. 28.....	4		
San Juan County.....	Jan. 1-31.....	1		
Skagit County.....	Jan. 1-Feb. 28.....	31		
Spokane County.....	Jan. 1-31.....	2		
Spokane.....	Dec. 19-Feb. 28.....	57		
Stevens County.....	Jan. 1-31.....	3		
Walla Walla County.....	Jan. 1-Feb. 28.....	29		
Whatecom County—				
Bellingham.....	Feb. 1-28.....	3	1	
Wahkiakum County.....	Dec. 1-31.....	8		
Whitman County.....	Jan. 1-Feb. 28.....	21		
Yakima County.....	Jan. 1-31.....	6		
Total for State.....		212	2	
<b>West Virginia:</b>				
Berkeley Springs.....	Dec. 27-Feb. 17.....	6		
Wheeling.....	Jan. 30-Feb. 5.....	1		
Total for State.....		7		
<b>Wisconsin:</b>				
Ashland County.....	Mar. 1-31.....	7		
Buffalo County.....	Feb. 1-Mar. 31.....	5		
Chippewa County.....	Jan. 1-31.....	3		
Clark County.....	Jan. 1-Mar. 31.....	16		
Crawford County.....	Feb. 1-Mar. 31.....	17		
Dane County.....	Feb. 1-Mar. 31.....	14		
Dodge County.....	Mar. 1-31.....	2		
Douglas County.....	Jan. 1-Mar. 31.....	27		
Superior.....	Dec. 19-Jan. 1.....	6		
Grant County.....	Feb. 1-28.....	1		
Jefferson County.....	Jan. 1-Feb. 28.....	19		
Juneau County.....	Jan. 1-31.....	1		
La Crosse County.....	Jan. 1-Mar. 31.....	20		
La Crosse.....	Dec. 19-Jan. 1.....	2		
Langlade County.....	Jan. 1-Feb. 28.....	3		
Manitowoc County.....	Mar. 1-31.....	7		
Milwaukee County.....	Jan. 1-Feb. 28.....	19		
Milwaukee.....	Dec. 19-Jan. 1.....	2		
Price County.....	Feb. 1-28.....	1		
Rock County.....	Mar. 1-31.....	2		
Walworth County.....	Feb. 1-28.....	1		
Winnebago County.....	Jan. 1-Mar. 31.....	3		
Total for State.....		178		
Grand total for the United States.....		13,854	87	

## MORBIDITY AND MORTALITY.

## WEEKLY MORBIDITY AND MORTALITY TABLE, CITIES OF THE UNITED STATES.

[For smallpox see special tables.]

Cities.	Week ended—	Estimated population, 1909.	Total deaths from all causes.	Tuberculosis.		Typhoid fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa.	Apr. 30	50,814	14		1					2		4			
Ann Arbor, Mich.	Apr. 23	14,711	8	3	1										
Ashtabula, Ohio.	do.	16,648	5												
Do.	Apr. 30		7												
Baltimore, Md.	do.	576,023	198	49	19	5	1	37	2	10		28		17	3
Bath, Me.	do.	12,055								1					
Beaver Falls, Pa.	do.	10,341								1		1			
Berkeley, Cal.	do.		4	3				2				9		4	
Biddeford, Me.	do.	17,676	1					1							
Birmingham, Ala.	do.	49,553	55	3	5	1	0	1		1		72		2	
Bayonne, N. J.	do.	49,894						7		2		1			
Binghamton, N. Y.	do.	45,855	15	2	1	2		1				17			
Boston, Mass.	do.	622,970	262	88	21	5	1	271		54	3	221	1	6	3
Boulder, Colo.	do.		3		2										
Brockton, Mass.	do.	53,978	17	9	1			4	1					2	
Butler, Pa.	Apr. 23	12,760	3									36			
Do.	Apr. 30		8							1		44			
Bridgeport, Conn.	do.	90,913	36	9	3			8		2	1			2	
Cambridge, Mass.	do.	101,872	37	4	10	1		101		3		8	1		
Cambridge, Ohio.	do.	11,733	2									35		5	
Camden, N. J.	do.	89,305	22	1	1			5		6	2	2			
Carbondale, Pa.	do.	15,698	8					1		1		1			
Charlotte, N. C.	do.	35,101	10	1	2							1			
Chattanooga, Tenn.	do.	34,654	0												
Chelsea, Mass.	do.	39,862	10	2				23		1		2			
Chicago, Ill.	do.	2,224,491	663	122	104	7	3	155	5	115	21	574	11	62	4
Chicopee, Mass.	do.	20,010	7	1	1			2				6			
Cincinnati, Ohio.	do.	351,212	141	27	24	1		8		5	2	185	4	3	
Clinton, Mass.	do.	12,656	1	3		1									
Coffeyville, Kans.	do.		3	2				2				4			
Columbus, Ga.	do.	17,893	15			1				1					
Columbus, Ohio.	do.	155,340	67	2	8	2				1	1	165	1	4	
Concord, N. H.	Apr. 23	21,997	10		1							2			
Do.	Apr. 30		9		1			2				7			
Covington, Ky.	do.	51,715	22		4			2		1	1	29			1
Danville, Ill.	do.	27,387	15	2	2					1		20	1		
Dayton, Ohio.	do.	108,888	31	3	3			1				8		2	1
Detroit, Mich.	Apr. 23	384,855	204					37		14	1				
Do.	Apr. 30		151					18	2	10					
Dunkirk, N. Y.	do.	18,061	5	1						1		20			
Duluth, Minn.	do.	74,520	22	3	2		1	9		2		16			
Elmira, N. Y.	Apr. 23	35,765						6		1		4			
Do.	Apr. 30		12	1				4		1		3			
Elizabeth, N. J.	do.		21		1		1	14		2	1	16			
El Paso, Tex.	do.	22,911	37	2						1		18		7	
Evansville, Ind.	do.	66,948	16	2	2			2		2		54		1	
Erie, Pa.	do.	63,652	25	3	3	1	2	5				17		1	1
Everett, Mass.	do.		11	5	2	1		35		1		4			
Fall River, Mass.	Apr. 2	106,481	42	11	2					1		1			
Do.	Apr. 16		43	2	3	1		3		1	1	1		1	1
Do.	Apr. 23		43	6	6	1		2							
Do.	Apr. 30		37	6	2	3		5		3		11			
Fort Wayne, Ind.	do.		17	3	3		4					35		2	
Freeport, Ill.	do.	19,200	5	1	1	2						2			
Galesburg, Ill.	do.	21,615	4					8	1	2					
Gloucester, Mass.	do.	25,923	8												
Grand Rapids, Mich.	do.	105,909	37	5	4	3		12	1			25		2	1
Harrison, N. J.	do.	14,604	5		1			4	1						
Haverhill, Mass.	do.	38,354		6	1	2		14		8		17		3	
Houston, Tex.	do.	63,625	28		3		1	1		1					
Hyde Park, Mass.	do.	15,522	4			1				1					
Indianapolis, Ind.	Apr. 16	241,826	72	4	6	4		8		9		270		27	2
Do.	Apr. 23		78	2	10			16		5		202	2	23	1
Jacksonville, Fla.	Apr. 30	40,798	15		2	3									
Johnstown, Pa.	do.	46,520	18	3	1			2		1	2	19			
Kalamazoo, Mich.	Apr. 16	36,504	20	2				9	1			2		4	
Do.	Apr. 23		19	2		1		7				11		3	
Kansas City, Kans.	Apr. 30	85,742	26	3	5	11	1	10		2		21			
Kearny, N. J.	do.	15,765	7					3	1			7			

## MORBIDITY AND MORTALITY—Continued.

Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Estimated population, 1909.	Total deaths from all causes.	Tuberculosis.		Typhoid fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Kingston, N. Y.	Apr. 16	26,110	16	1	1	1	1	1	1	1	1	1	1	1	1
Do.	Apr. 23		7			3	2		2						
Do.	Apr. 30		8			5	1		1						
Knoxville, Tenn.	do.	37,758	13	1	3							1		1	
Lackawanna, N. Y.	Apr. 23		6			1	1					6			
Do.	Apr. 30		7			1	1					6			
La Crosse, Wis.	do.	29,224	7			5	1					1			
La Fayette, Ind.	do.	19,801	8	2	1							9			
Lancaster, Pa.	do.	49,962	18	3	3	8						37			
Lawrence, Mass.	do.	76,042	39	5	5	3	3	3	2			29			
Los Angeles, Cal.	Apr. 16	103,000	70	11	13	12	3	3				127			
Do.	Apr. 23		99	16	16	11	2	2				86	1	3	
Lebanon, Pa.	Apr. 30	20,295	10	7		2						20		1	
Lexington, Ky.	Apr. 23	30,690	11	2								29		1	
Do.	Apr. 30		8									33			
Lowell, Mass.	do.	95,125	40	4	7	2	13	3	2			4		1	
Lynchburg, Va.	do.	29,457										13			
Lynn, Mass.	Apr. 23	83,865	28	3	2	12	1	2				27			
Do.	Apr. 30		22	4	2	1	1	7	3			2			
Madison, Ind.	Apr. 10		5	5	3							1			
Malden, Mass.	Apr. 23	41,535	7	1	1	3	1	3				1			
Manchester, N. H.	Apr. 30	68,561	19	2	2	1	1	2	1						
Manitowoc, Wis.	Apr. 23	13,490	2			1									
Do.	Apr. 30		2												
Mansfield, Ohio.	Apr. 23	21,390								1		8			
Do.	Apr. 30											33			
Marinette, Wis.	do.	14,682	4			7	2					18			
Marlboro, Mass.	Apr. 23	14,444	5			1						4			
Massillon, Ohio.	Apr. 30	13,610	4			1		1				17			
Medford, Mass.	do.	20,839	7			13		2				1			
Melrose, Mass.	Apr. 23	15,361	3	1				1							
Memphis, Tenn.	Apr. 30	136,363	39	12	4	6	2								
Milwaukee, Wis.	Apr. 29	332,495	122	28	6	38	2	44	2	36	1	105		21	2
Mobile, Ala.	Apr. 23	45,122	22	3	1	1									
Moline, Ill.	Apr. 30	23,081	3			3									
Montclair, N. J.	Apr. 23	18,296	7	1		3						6			
Do.	Apr. 30		5			4	1					7			
Montgomery, Ala.	do.	43,927	19	3		1						1			
Monticello, Ind.	do.		2												
Morristown, N. J.	Apr. 23	12,849	6									10			
Do.	Apr. 30		5			1				1		5			
Mount Vernon, N. Y.	do.	27,891	8	1		1		1		1		4			
Muskegon, Mich.	do.	20,995				1						5			
Nanticoke, Pa.	May 1	13,890	5					3							
Nashville, Tenn.	Apr. 30	106,476	44	4	6	1		3				4			
Nebraska City, Nebr.	Apr. 29		3			2						5			
Newark, N. J.	Apr. 30	308,669	121	19	20	3	2	44	3	29	4	19		1	
New Bedford, Mass.	do.	83,898	27	3	4	1	1	2		3					
Newburyport, Mass.	do.	14,832	6			1	1					9			
New Orleans, La.	do.	327,662	173	31	24	5	4	26	1	6		132	5		1
Newport, Ky.	do.	31,345	7			1				1					
Newton, Mass.	do.	39,419	10			7									
New York, N. Y.	do.	4,450,963	1,527	606	188	25	1	665	39	441	55	1,537	27	36	5
Niagara Falls, N. Y.	do.	32,012	15	1	1	2		2		1		28			
Norristown, Pa.	Apr. 23	24,491	7	2	2	1		2		1					
Do.	Apr. 30		6			1									
North Adams, Mass.	do.	20,510	9	1								1			
Northampton, Mass.	do.	21,008	5					2		1	1	4		2	
Weymouth, Mass.	Apr. 23	11,793	2												
Oakland, Cal.	do.	73,812	42	3				3		1		5			
Orange, N. J.	Apr. 30	27,669	9	8	2			3				7			
Palmer, Mass.	do.		9												
Pittsfield, Mass.	do.	27,589	4			1						1			
Peekskill, N. Y.	do.	15,473	6	1								11			
Philadelphia, Pa.	do.	1,491,082	190	80	9	3	45	5	98	5	281	5	37	5	
Pittsburg, Pa.	Apr. 23	558,123	220	34	14	16	4	30	2	19	1	203	4	21	1
Do.	Apr. 30		191	30	12	21	3	27	2	11	4	212	11	22	3
Plainfield, N. J.	do.	20,947	4	2								3			
Plymouth, Pa.	Apr. 23	17,524								2		2			
Do.	Apr. 30		6							1		1			

a Population 1909.

b Estimated population 1906.

## MORBIDITY AND MORTALITY—Continued.

Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Estimated population, 1909.	Total deaths from all causes.	Tuberculosis.		Typhoid fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Portland, Me.	Apr. 2	57,675	21	...	2	1	1	1	...	1	...	6	...	...	...
Do.	Apr. 9	...	18	...	1	1	...	3	...	2	...	8	...	...	...
Do.	Apr. 16	...	24	...	4	2	...	4	...	1	...	6	...	...	...
Portsmouth, N. H.	Apr. 30	11,336	11	...	...	1	...	...	...	2	...	6	...	...	...
Pottstown, Pa.	do.	19,225	5	...	...	1	...	1	...	1	...	11	...	...	...
Providence, R. I.	do.	217,065	84	8	10	4	1	11	...	12	...	5	2	...	1
Racine, Wis.	do.	34,840	6	...	...	...	...	3	...	...	...	...	...	...	...
Reading, Pa.	May 2	97,231	36	...	1	5	1	5	...	4	...	85	...	11	...
Rock Island, Ill.	Apr. 30	24,766	4	...	...	...	...	2	...	...	...	7	...	...	...
Sacramento, Cal.	Apr. 23	31,889	8	...	...	...	...	3	...	...	...	...	...	...	...
St. Louis, Mo.	Apr. 30	686,369	217	47	26	9	1	57	8	29	4	72	...	38	...
San Francisco, Cal.	Apr. 23	a 342,782	121	34	23	3	1	7	...	13	...	43	...	4	1
Saratoga Springs, N. Y.	do.	13,471	2	...	...	...	...	...	...	1	...	97	...	...	...
Do.	Apr. 30	...	3	...	1	...	1	...	...	...	...	50	...	...	...
Schenectady, N. Y.	Apr. 23	73,037	15	5	1	...	...	8	...	2	...	13	1	...	...
Do.	Apr. 30	...	18	7	4	...	...	5	...	4	...	9	...	...	...
Seattle, Wash.	Apr. 23	a 104,169	51	4	7	1	1	7	...	4	...	28	...	13	...
Sioux City, Iowa	May 1	47,224	...	...	...	...	...	21	...	7	...	...	...	...	...
Somerville, Mass.	Apr. 30	75,375	23	4	...	...	...	102	1	6	2	35	1	...	...
South Bend, Ind.	do.	49,321	17	...	1	...	...	10	...	1	...	...	...	...	...
Spokane, Wash.	Apr. 23	a 47,006	23	...	1	...	...	9	...	1	...	12	...	...	2
Springfield, Mass.	Apr. 30	82,724	31	2	2	...	...	5	1	6	1	23	...	...	...
South Bethlehem, Pa.	do.	15,886	8	2	1	...	...	...	...	2	...	9	...	...	...
South Omaha, Nebr.	do.	42,146	...	...	...	...	...	...	...	1	...	...	...	...	...
Steelton, Pa.	do.	14,769	5	5	2	...	...	3	...	5	1	1	...	...	1
Superior, Wis.	do.	40,919	8	...	...	...	...	4	...	1	...	...	...	...	...
Tacoma, Wash.	Mar. 19	a 37,714	14	...	3	...	...	2	...	3	...	2	...	...	...
Do.	Mar. 26	...	20	...	1	...	1	2	...	2	2	...	...	...	1
Do.	Apr. 2	...	23	3	2	3	...	2	...	7	...	...	...	...	...
Do.	Apr. 9	...	22	1	4	...	...	2	...	3	1	...	...	...	...
Do.	Apr. 16	...	24	...	6	...	...	2	...	2	...	1	...	...	...
Do.	Apr. 23	...	18	2	3	...	...	1	...	5	2	1	...	...	...
Do.	Apr. 30	...	13	1	...	...	...	1	...	6	1	...	...	...	...
Taunton, Mass.	do.	30,926	16	1	2	...	...	...	...	6	...	17	...	...	...
Titusville, Pa.	do.	8,397	6	...	1	...	...	2	...	...	...	...	...	...	...
Toledo, Ohio	Mar. 19	174,059	46	...	8	5	...	10	1	3	...	127	2	...	1
Do.	Mar. 26	...	50	...	...	...	...	...	...	...	...	...	...	...	...
Do.	Apr. 2	...	53	...	6	5	1	6	...	3	...	114	2	...	...
Do.	Apr. 9	...	40	...	7	3	...	5	...	3	...	102	1	...	...
Do.	Apr. 16	...	43	...	4	3	1	4	...	2	...	59	2	...	...
Do.	Apr. 23	...	51	...	7	10	...	5	...	2	2	81	...	...	...
Trenton, N. J.	Apr. 30	92,878	7	11	6	6	...	21	...	8	1	...	...	...	...
Utica, N. Y.	do.	69,458	26	1	4	2	1	...	...	...	...	19	...	...	...
Walla Walla, Wash.	do.	15,784	2	...	...	...	...	...	...	1	...	10	...	...	...
Waltham, Mass.	do.	28,522	4	2	...	...	...	1	...	1	...	3	...	...	...
Warren, Pa.	Apr. 18	11,838	...	...	...	1	...	...	...	2	...	49	...	2	...
Do.	Apr. 25	...	8	...	...	...	...	...	...	...	...	22	1	1	...
Washington, D. C.	Apr. 23	322,212	122	25	22	8	2	26	...	5	1	4	...	15	1
Do.	Apr. 30	...	130	30	...	5	2	22	...	17	1	6	...	18	1
Wheeling, W. Va.	Apr. 16	42,799	13	3	1	2	...	1	...	1	...	...	...	...	...
Do.	Apr. 23	...	22	...	1	...	...	...	...	3	...	8	...	...	...
Wichita, Kans.	Apr. 30	39,612	20	...	5	...	...	4	...	...	...	24	1	...	...
Wilkes-Barre, Pa.	do.	64,323	22	14	1	...	...	5	...	3	1	3	...	...	...
Wilkinsburg, Pa.	do.	19,999	2	...	...	...	...	...	...	...	...	63	...	5	...
Williamsport, Pa.	Apr. 23	30,220	8	...	...	...	...	3	...	1	...	47	...	...	...
Do.	Apr. 30	...	10	4	1	...	...	3	...	2	...	42	...	...	...
Wilmington, Del.	do.	89,890	24	...	3	...	...	...	...	...	...	...	...	...	...
Woburn, Mass.	do.	14,520	3	...	...	...	...	23	...	...	...	18	...	...	...
Worcester, Mass.	Apr. 23	135,906	51	10	3	...	...	4	...	8	1	21	1	5	...
York, Pa.	Apr. 30	41,895	...	1	...	...	...	...	...	1	...	7	...	...	...
Zanesville, Ohio	do.	25,614	10	...	2	2	...	...	...	...	...	...	...	...	1

a Estimated population, 1906.

**STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES (untabulated).**

**CALIFORNIA.**—Month of March, 1910. Population, 2,037,929. Total number of deaths from all causes 2,734, including typhoid fever 28, measles 50, scarlet fever 4, diphtheria 12, tuberculosis 467.

*San Francisco*, city and county.—Month of March, 1910. Population, 475,000. Total number of deaths from all causes 583, including typhoid fever 5, measles 10, diphtheria 3, tuberculosis 95. Cases reported: Typhoid fever 25, smallpox 8, measles 230, scarlet fever 41, diphtheria 55, tuberculosis 161.

**MICHIGAN.**—Month of March, 1910. Population, 2,666,308. Total number of deaths from all causes 3,757, including typhoid fever 43, measles 24, scarlet fever 35, diphtheria 29, tuberculosis 222.

**NEW JERSEY.**—Month of April, 1910. Population, 1,883,669. Total number of deaths from all causes 3,536, including typhoid fever 14, measles 14, scarlet fever 30, diphtheria 80, tuberculosis 427.

**PENNSYLVANIA.**—Reports from the state department of health for the month of March, 1910, show cases of communicable disease reported as follows: Typhoid fever 652 cases, smallpox 40, measles, 7,104, scarlet fever 1,535, diphtheria 949, tuberculosis 1,447.

**TEXAS—El Paso.**—Month of March, 1910. Population 50,000. Total number of deaths from all causes 169, including typhoid fever 1, measles 3, diphtheria 1, tuberculosis 48. Cases reported: Typhoid fever 4, smallpox 8, measles 210, scarlet fever 1, diphtheria 1.



# FOREIGN AND INSULAR.

## CHINA.

### HONGKONG—Inspection of Vessels—Smallpox.

Passed Assistant Surgeon Foster reports, March 31:  
 Week ended March 26. Quarantine restrictions enforced by and  
 against Hongkong remain as reported March 19.  
 During the week 1 case of smallpox was reported.

#### INSPECTION AND DISINFECTION OF VESSELS.

*Week ended March 26.*

Vessels granted bills of health.....	10
Total members of crews.....	862
Total cabin passengers.....	260
Total steerage passengers.....	509
Members of crews bathed.....	707
Steerage passengers bathed.....	456
Pieces of baggage disinfected.....	1,104
Vessels disinfected to kill rats.....	1
Crews' quarters disinfected:	
With formaldehyde.....	9
With sulphur.....	1

### SHANGHAI—Inspection of Vessels—Smallpox.

Acting Assistant Surgeon Ransom reports, March 31:  
 Week ended March 26. Supplemental bills of health granted to  
 2 vessels having an aggregate personnel of 843. One vessel with 63  
 crew and 22 steerage passengers was inspected; 38 pieces of baggage  
 were disinfected, and manifests were viséed for 7,178 pieces of freight.  
 The weekly report of the municipal health officer shows 2 new cases  
 of smallpox among foreigners and 6 deaths from smallpox among  
 natives. Reports from Hankow show smallpox present with 3 cases  
 and 2 deaths among Europeans.

## CUBA.

### CIENFUEGOS—Inspection of Vessels.

Acting Assistant Surgeon Suarez reports, April 29:  
 Week ended April 23. Vessels inspected, 5. Bills of health issued, 5.  
 Members of crews of outgoing vessels inspected, 169.  
 No quarantinable disease was reported.

### SANTIAGO—Inspection of Vessels—Leprosy.

Acting Assistant Surgeon Wilson reports, April 20:  
 Week ended April 16. Bills of health issued to 9 vessels bound for  
 the United States and its dependencies.  
 The department of sanitation reports 2,934 houses inspected.  
 Vaccination is being systematically carried out. The medical in-



spector of the province states that he is collecting the lepers in the province to send them to the asylum at Habana. On April 19, 16 lepers, taken from Guantanamo, Daiquiri, and the city of Santiago, were ready for transportation in a specially prepared car to Habana.

#### ECUADOR.

##### GUAYAQUIL—Inspection and Fumigation of Vessels.

Passed Assistant Surgeon Parker reports, April 4 and 11:

Week ended April 2. Bills of health issued, 2. Vessels fumigated, 3. Members of crews inspected, 178. Cabin passengers inspected, 59. Steerage passengers inspected, 38. Pieces of baggage fumigated, 76. Pieces of baggage inspected and passed, 80. Certificates for hides issued, 1.

Week ended April 9. Bills of health issued, 2. Vessels fumigated, 1. Members of crews inspected, 107. Cabin passengers inspected, 19. Steerage passengers inspected, 14. Pieces of baggage inspected, 57. Pieces of baggage inspected and passed, 7. Certificates for hides issued, 1.

#### HAWAII.

The last case of human plague at Honolulu occurred July 17, 1907. The last plague-infected rat was found at Aiea, 9 miles from Honolulu, April 13, 1910.

At Hilo the last case of human plague occurred March 23, 1910. The last plague-infected rat was found at Piihonua, 4 miles from Hilo, April 9, 1910.

Passed Assistant Surgeon Ramus reports, April 18:

##### HONOLULU—Plague-prevention Work.

*Week ended April 16, 1910.*

Total rats taken.....	560
Trapped.....	560
Found dead.....	0
Examined bacteriologically.....	435
Classification of rats trapped:	
<i>Mus alexandrinus</i> .....	72
<i>Mus musculus</i> .....	207
<i>Mus norvegicus</i> .....	106
<i>Mus rattus</i> .....	175
Average number of traps set daily.....	1,338

#### HILO.

A rat found at Piihonua April 9, 1910, and forwarded to Honolulu for bacteriological examination was found to be plague-infected.

#### INDIA.

##### CALCUTTA—Cholera, plague, and Smallpox.

Acting Assistant Surgeon Allan reports, April 7:

Week ended March 22. At Calcutta there were 76 deaths from cholera, 56 from plague, and 1 death from smallpox. Week ended March 26. In all Bengal there were 3,427 cases of plague, with 2,799 deaths; in all India, 26,145 cases, with 22,198 deaths.

## ITALY.

## NAPLES—Examination of Emigrants—Smallpox.

Passed Assistant Surgeon Foster reports, April 16:

*Vessels examined at Naples and Palermo, week ended April 16.*

## NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Apr. 13	San Giorgio.....	New York.....	594	110	1,450
13	Duca di Genova.....	do.....	1,303	25	920
14	Roma.....	do.....	658	80	1,100
14	Taormina.....	Philadelphia.....	2,245	120	2,370
15	Batavia.....	New York.....	1,484	95	1,750
15	König Albert.....	do.....	1,061	100	1,250
16	Canopic.....	Boston.....	1,104	160	1,580
	Total.....		8,449	690	10,420

## PALERMO.

Apr. 14	San Giorgio.....	New York.....	574	750	250
15	Roma.....	do.....	325	500	200
	Total.....		899	1,250	450

*Rejections recommended.*

## NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Other causes.	Total.
Apr. 13	San Giorgio.....	29	3	24		9	65
13	Duca di Genova.....	26	8	16		7	57
14	Roma.....	17	1	15		7	40
14	Taormina.....	67	5	45		12	129
15	Batavia.....	31	4	13		6	54
15	König Albert.....	23	4	11		3	41
16	Canopic.....	10		8	1	5	24
	Total.....	203	25	132	1	49	410

## PALERMO.

Apr. 14	San Giorgio.....	19		50		5	74
15	Roma.....	20		30		1	51
	Total.....	39		80		6	125

*Smallpox in Naples.*—During the week ended April 17, 26 cases of smallpox, with 1 death, were reported at the health office of the city of Naples.

## JAPAN.

## YOKOHAMA—Inspection of Vessels.

Surgeon Irwin reports April 11:

Week ended April 9. Bills of health issued to the following-named vessels: Steamships *Inveric* and *Montrose* for New York, *Tacoma Maru* for Tacoma, *Chiyo Maru* for Seattle, and *Suveric*, *Minnesota*,

and *Teucer* for Manila. These vessels carried an aggregate of 301 passengers, 294 steerage passengers, and 853 in crews.

Infected rats are still being found at Kobe. At Osaka 2 cases of plague were reported in February. General vaccination is to be begun at Yokohama April 15.

#### KOBE—Inspection of Vessels.

Acting Assistant Surgeon Smith reports, April 6:

Week ended April 2. Supplemental bills of health granted to 5 steamships. Members of crews inspected, 983, and steerage passengers, 1,133. Steerage passengers bathed, 37; effects disinfected. Pieces of baggage steamed, 47; bedding, 74. Manifests viséed for 56,524 pieces of freight amounting to 4,567 tons. One case of personal effects and 12 cases of human hair disinfected with formalin.

Emigrants inspected and passed as follows: Per steamship *Manchuria*, for Honolulu 13, for San Francisco 6. Per steamship *Chiyo Maru*, for Honolulu 9, for San Francisco 9. The emigrants were 7 days in detention at Ono quarantine station before embarkation.

#### NAGASAKI—Smallpox on Steamship Asia.

Sanitary Inspector Bowie reports, April 7:

The steamship *Asia* from Hongkong to San Francisco arrived at this port, April 7, with a case of smallpox on board in the person of a Filipino steerage passenger. The case was discovered April 6 and promptly isolated by the ship's surgeon and the steerage passengers and crew were vaccinated. The patient was removed at the quarantine station and the quarters were washed down with an antiseptic solution. The vessel was then allowed to come into harbor and the first-class passengers were permitted to land.

April 26, Passed Assistant Surgeon Ramus at Honolulu reported the arrival of the steamship *Asia* with a history of a second case of smallpox, which occurred en route from Nagasaki to Yokohama in a Filipino steerage passenger. The patient was removed at Yokohama and disinfection was carried out.

#### JAVA.

##### Cholera at Samarang and Soerabaya.

The following information was received from the Department of State under date of May 3:

The consul at Batavia reports cholera still present at Samarang. At Soerabaya 80 cases with 70 deaths occurred during the month of March.

#### MEXICO.

##### Report from the Superior Board of Health of Mexico.

In compliance with articles 1 and 2 of the International Sanitary Convention held at Washington October 9-14, 1905, the president of the Superior Board of Health of Mexico reports, May 2, that no case of yellow fever and no death from the said disease were registered in the Mexican Republic during the week ended April 30, and that the prophylactic measures reported under date of September 28, 1908, continue to be carried out.

**Investigation of the Status of Leprosy in Mexico.**

The following circular, addressed by the Federal Government to the governors of the States and Territories of the Mexican Republic, was forwarded April 27 by Acting Assistant Surgeon Goldthwaite, at Veracruz:

The Mexican Government has ordered a special study to be made of the development of leprosy in the various parts of that country, with the object of determining the means that should be adopted for combating this terrible scourge, and has issued a circular to the governors of States and Territories asking for information covering the following points:

1. In what places does leprosy exist and what is the number of persons affected at each place? A list of these is requested, stating the age and sex of persons.

2. The number of pesthouses or hospitals for the treatment of patients, their location, capacity, and the number of lepers that have been isolated, together with a statement showing the funds available for their maintenance.

3. What are the measures that may have already been ordered or, in your judgment, ought to be adopted, to combat the leprosy and prevent its spread?

**COATZACOALCOS—Inspection of Vessels—Smallpox on Railway.**

Acting Assistant Surgeon Thompson reports, April 28:

Week ended April 27. Vessels inspected: April 22, steamship *San Antonio* for Philadelphia; April 24, steamship *Student* for a port in the United States via Mexican ports; April 26, steamship *Massachusetts* for Delaware Breakwater; April 27, steamship *Sokoto* for Pensacola via Progreso; *Texas* for New Orleans, and *Manuel Calvo* for New York via Habana. The *Texas* was fumigated.

During the month of March, 1910, smallpox was reported at Santo Domingo and Rincon Viejo on the Tehuantepec National Railway between Coatzacoalcos and Salina Cruz. The chief surgeon for the railway states that all unvaccinated persons have been vaccinated and that 21 days have elapsed since the occurrence of the last case.

**PERU.****CALLAO—Inspection of Vessels—Plague.**

Acting Assistant Surgeon Castro-Gutierrez reports, April 19:

Week ended April 2. Three steamships having an aggregate personnel of 151 and 72 cabin and 7 steerage passengers were inspected. Of these vessels 2 were fumigated. Week ended April 9. One steamship with 97 in crew and 49 cabin and 42 steerage passengers was inspected and fumigated.

Bills of health show plague present at Mollendo, Peru, April 4, at Iquique, Chile, April 3, and at Antofagasta, Chile, April 2, with 4 cases in lazaretto.

# PHILIPPINE ISLANDS.

Passed Assistant Surgeon Victor G. Heiser, chief quarantine officer of the Philippine Islands, reports, March 28:

## Decrease of Cholera.

The Philippines are probably more free of cholera to-day than has been the case for a number of years past. For the entire week only 12 cases were reported for the islands, and on some days no cases were reported. A determined effort is being made by the bureau of health to isolate every case promptly in order to ascertain whether the disease can be stamped out completely, and at the same time learn with more or less certainty whether the disease is endemic or whether it must be reintroduced from a foreign country to start a new outbreak.

## Beriberi.

In view of the recent results reported by Fraser and Stanton of the Straits Settlements, Aron of the Philippine Medical School, and others before the meeting of the Far Eastern Association of Tropical Medicine recently held in Manila, that beriberi is due to the continuous consumption of polished rice as a staple article of diet, and that the direct cause of this is probably due to the lack of phosphorous which is removed by the polishing, and that beriberi is probably a phosphorus starvation, the beriberi patients in the hospitals of the bureau of health have been treated by administering rice polishings, with the result that the cases promptly commenced to improve, and soon recovered. Unpolished rice has now been used in public institutions in which beriberi was rife during the past month, with the result that the disease has completely disappeared.

## Smallpox in Manila.

Week ended March 19. In the city of Manila 8 cases of smallpox were reported.

## Cholera in the Provinces.

Week ended March 19.

Provinces.	Cases.	Deaths.
Bulacan.....	1	
Cavite.....	1	1
Pampanga.....	9	7
Pangasinan.....	1	1
Total.....	12	9

## Inspection of Vessels.

March 15, the British steamship *Protesilaus*, with 89 in crew, en route from Glasgow to Seattle and Tacoma, granted a supplemental bill of health. Cargo taken on at this port inspected and passed before loading, and manifests for same signed. March 19, the British steamship *Indrapura*, with 59 in crew, granted a bill of health for New York via Iloilo and Cebu. Cargo as taken on at this port inspected and passed before loading. Manifests for same signed. Vessel partially fumigated with sulphur dioxide gas.

## PORTUGAL.

LISBON—Yellow Fever on Steamship *Rugia*.

Consul Aymé reports, April 5:

The steamship *Rugia* which left Manaus, Brazil, March 18, and Para March 23, arrived at Lisbon April 3 with yellow fever on board. The disease made its appearance at sea, 8 members of the crew being attacked. Of this number 4 died. The vessel was sent to the quarantine anchorage and the 4 patients and 140 passengers were placed in quarantine at the station. All contacts were quarantined.

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX.

## Reports Received During Week Ended May 13, 1910.

[These tables include cases and deaths recorded in reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls through the Department of State and from other sources.]

## CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Madras.....	Mar. 26-Apr. 1.....		2	
Java:				
Soerabaya.....	Mar. 1-31.....	80	70	
Philippine Islands:				
Provinces—				
Bulacan.....	Mar. 13-19.....	1		
Cavite.....	Mar. 13-19.....	1	1	
Pampanga.....	Mar. 13-19.....	9	7	
Pangasinan.....	Mar. 13-19.....	1	1	
Siam:				
Bangkok.....	Mar. 1-18.....	2	2	

## YELLOW FEVER.

Brazil:				
Manaos.....	Apr. 3-9.....		5	
Para.....	Apr. 10-23.....	28	21	
Nicaragua:				
Managua.....	Jan. 14-20.....		1	
Portugal:				
Lisbon.....	Apr. 3.....			Eight cases and 4 deaths on s. s. <i>Rugia</i> from Manaus and Para, 4 cases placed in quarantine.

## PLAGUE.

Brazil:				
Bahia.....	Mar. 12-18.....	3	3	
Para.....	Apr. 10-23.....	2	2	
Chile:				
Antofagasta.....	Apr. 2.....	4		In the lazaretto.
Iquique.....	Apr. 3.....			Endemic.
India:				
Bombay.....	Mar. 30-Apr. 5.....		168	
Kurrachee.....	Mar. 27-Apr. 2.....	72	67	
Rangoon.....	Mar. 20-26.....		25	
Japan:				
Kobe.....	Apr. 3-9.....	1	1	
Osaka.....	Jan. 1-31.....	2		
Persia:				
Bouchir.....	Mar. 25-Apr. 2.....	2	1	
Peru:				
Mollendo.....	Apr. 4.....			5 cases in the lazaretto.
Siam:				
Bangkok.....	Mar. 1-28.....	44	42	

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

## Reports Received During Week Ended May 13, 1910.

## SMALLPOX.

Place.	Date.	Cases.	Deaths.	Remarks.
Abyssinia:				
Adis Ababa.....	Mar. 27-Apr. 2.....			Present.
Austria:				
Galicia.....	Apr. 10-16.....	1		
Silesia.....	Apr. 10-16.....	1		
Brazil:				
Bahia.....	Mar. 12-25.....	54	37	
Canada:				
Halifax.....	Apr. 1-30.....	3		
China:				
Canton.....	Mar. 20-26.....	5		
Hankow.....	Mar. 20-26.....	1		
Shanghai.....	Mar. 28-Apr. 3.....	1	12	Deaths among natives.
Egypt:				
Cairo.....	Mar. 26-Apr. 15.....	10	3	
Port Said.....	Apr. 9-15.....	1		
France:				
Paris.....	Apr. 9-16.....	6		
Germany, general.....	Apr. 10-16.....	21		
Great Britain:				
Nottingham.....	Apr. 10-16.....	1		
India:				
Bombay.....	Mar. 30-Apr. 5.....		86	
Kurrachee.....	Mar. 27-Apr. 2.....	2	1	
Madras.....	Mar. 26-Apr. 1.....		6	
Rangoon.....	Mar. 20-26.....		48	
Italy, general.....	Apr. 11-17.....	40		
Naples.....	Apr. 11-17.....	26	1	
Mexico:				
Aguascalientes.....	Apr. 19-23.....	2		
Mexico.....	Mar. 20-Apr. 2.....		3	
Rincon Viejo.....	Mar. 1-31.....			Present.
Santo Domingo.....	Mar. 1-31.....			Do.
Persia:				
Bender Gez.....	Feb. 20-Mar. 13.....			Do.
Philippine Islands:				
Manila.....	Mar. 13-19.....	8		
Portugal:				
Lisbon.....	Apr. 10-16.....	47		
Russia:				
Libau.....	Apr. 10-16.....	8	2	
Moscow.....	Mar. 27-Apr. 2.....	36	2	
Riga.....	Apr. 3-16.....	6		
St. Petersburg.....	Apr. 3-9.....	43	17	
Warsaw.....	Feb. 6-26.....		49	
Spain:				
Almeria.....	Mar. 1-31.....		6	
Valencia.....	Apr. 9-16.....	1		
Siam:				
Bangkok.....	Mar. 1-28.....	2	2	
Straits Settlements:				
Singapore.....	Mar. 20-26.....		2	
Uruguay:				
Montevideo.....	Feb. 1-28.....	99	30	

## Reports Received from January 1 to May 6, 1910.

[For reports received from June 25, 1909, to December 31, 1909, see PUBLIC HEALTH REPORTS for December 31, 1909. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

## CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo.....	Feb. 13-Mar. 12.....	6		
Germany:				
Heydekrug.....	Nov. 19-Dec. 4.....	2		
Niedrung.....	Nov. 16-22.....	1		
India:				
Bombay.....	Nov. 24-Mar. 29.....		24	
Calcutta.....	Nov. 14-Mar. 19.....		725	
Madras.....	Jan. 1-Mar. 18.....		3	
Moulmine.....	Jan. 22-Mar. 12.....		15	
Negapatam.....	Jan. 30-Mar. 4.....		23	
Rangoon.....	Nov. 14-Mar. 19.....		49	



## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from January 1 to May 6, 1910.

## CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Java:				
Batavia.....	Nov. 14-Mar. 12...	389	111	
■ Samarang.....	Feb. 20-Mar. 5....	50	35	Feb. 1-28, 216 cases.
Norway:				
Friedershalld.....	Dec. 31-Jan. 3....	1	1	From a vessel from Riga.
Persia:				
Astara.....	Dec. 1-15.....	36	22	
Philippine Islands:				
Manila.....	Nov. 7-Mar. 12....	134	98	Third quarter, 1909. Cases, 82; deaths, 61.
Provinces.....				Third quarter, 1909. Cases, 3,946; deaths, 2,609.
Albay.....	Nov. 7-20.....	6	6	
Bataan.....	Nov. 7-Feb. 26....	216	156	
Bohol.....	Nov. 7-Feb. 26....	50	32	
Bulacan.....	Nov. 7-Jan. 1.....	32	27	
Camarines.....	Nov. 7-20.....	5	5	
Capiz.....	Nov. 21-Dec. 18...	3	2	Jan. 1-Feb. 12, 50 cases from a coasting vessel.
Cavite.....	Nov. 7-Mar. 5....	107	79	Nov. 20, 1 case on s. s. Yaptico.
Cebu.....	Nov. 7-Feb. 12....	333	251	
Laguna.....	Dec. 19-25.....	4	4	
Leyte.....	Nov. 21-Jan. 15....	36	32	
Misamis.....	Jan. 16-Feb. 19....	42	40	
Oriental Negros.....	Nov. 7-20.....	10	5	
Pampanga.....	Nov. 7-Mar. 12....	257	93	
Rizal.....	Nov. 7-Jan. 22....	11	7	
Tarlac.....	Nov. 7-13.....	9	5	
Russia, general.....	Nov. 21-Jan. 29....	440	203	
Baku, government.....	Nov. 21-Dec. 25....	22	22	
Baku.....	Nov. 21-Jan. 22....	28	18	
Don, territory.....	Nov. 28-Jan. 29....	19	12	
Ekaterinslav, government.....	Nov. 21-Jan. 29....	25	8	
Jaroslav, government.....	Nov. 21-27.....	1	1	
Kaluga.....	Dec. 26-Jan. 1....	1	1	
Kherson.....	Jan. 23-29.....	3	6	
Kostroma, government.....	Nov. 21-27.....	3	4	
Kovna, government.....	Nov. 21-27.....	8	3	
Kursk, government.....	Nov. 21-Dec. 11...	6	1	
Moscow, government—				
Moscow.....	Nov. 29-Jan. 22....	256	115	
Novotscherkask.....	Mar. 18.....	2	2	
Pskov, government.....	Nov. 21-27.....	10	1	
St. Petersburg, government.....	Nov. 21-Dec. 18....	14	12	
St. Petersburg.....	Nov. 21-Jan. 1....	53	12	
Taurida, government.....	Nov. 21-Dec. 25....	66	28	
Vitebsk, government.....	Nov. 21-27.....	2	1	
Slam:				
Bangkok.....	Oct. 28-Feb. 28....	15	15	
Siberia:				
Vladivostok.....	Nov. 16-21.....	1	1	
Straits Settlements:				
Singapore.....	Dec. 19-Jan. 15....	1	4	
Sumatra:				
Palembang.....	Sept. 20-Oct. 20...	936	675	

## YELLOW FEVER.

Brazil:				
Manaos.....	Nov. 21-Apr. 2....	130	66	
Para.....	Nov. 28-Apr. 9....	130	102	
Ecuador:				
Babahoyo.....	Jan. 1-Mar. 31....	6	2	
Guayaquil.....	Dec. 1-Mar. 31....	156	57	
Peru:				
Callao.....	Nov. 2-Dec. 2....	1	1	From s. s. Loa.
Mexico:				
Yucatan—				
Merida.....	Dec. 20-21.....	1	1	
Santa Cruz de Bravo.....	Dec. 20.....	1	1	
Panama:				
Canal Zone—				
Ancon.....	Jan. 24.....	1	1	At Ancon Hospital, from s. s. Barbadian.
Culebra Island.....	Mar. 1-8.....	1	1	At Culebra quarantine station, from s. s. Huallago.



## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

## Reports Received from January 1 to May 6, 1910.

## YELLOW FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Trinidad:				
Port of Spain.....	Nov. 28-Dec. 4....	1	1	
Venezuela:				
La Guaira.....	Mar. 1-Apr. 16....	6	6	

## PLAGUE.

Arabia:				
Aden.....	Jan. 21-23.....	1	1	From an Austrian mail steamer from Bombay.
Brazil:				
Bahia.....	Nov. 20-Mar. 11....	58	32	
Para.....	Nov. 28-Feb. 19....	12	9	
Pernambuco.....	Oct. 15-Mar. 15....	26	26	
Rio de Janeiro.....	Nov. 2-Jan. 23....	16	2	
Santos.....	Nov. 1-Dec. 29....	5	3	One case from bark Amazone, Dec. 1. Feb. 2 present.
Chile:				
Antofagasta.....	Mar. 19.....	4		In the lazaretto.
Iquique.....	Feb. 12-Mar. 20....			Epidemic.
Taltal.....	Jan. 15.....	2	1	
China:				
Amoy.....	Apr. 15.....			Present.
Hankow.....	Nov. 27-Dec. 7....	20	20	Feb. 1 again present.
Hongkong.....	Nov. 21-27.....	1	1	
Ecuador:				
Babahoyo.....	Dec. 16-Feb. 15....	18	6	
Guayaquil.....	Dec. 1-Mar. 31....	250	97	
Milagro.....	Jan. 1-Mar. 15....	23	7	
Egypt:				
Alexandria.....	Nov. 19-Mar. 25....	9	4	
Port Said.....	Nov. 30-Dec. 22....	2	1	
Provinces—				
Assiout.....	Sept. 29-Apr. 1....	84	31	
Beherach.....	Dec. 8-14.....	1		
Beni Souef.....	Dec. 16-Mar. 18....	31	10	
Fayoum.....	Jan. 20-Apr. 1....	20	14	
Galloobeh.....	Jan. 11-Mar. 25....	14	7	
Garbleh.....	Feb. 2-Mar. 18....	14	11	
Girzeh.....	Dec. 19-Apr. 1....	3	1	
Ghizeh.....	Dec. 19-Jan. 2....	2	2	
Kena.....	Feb. 3-20.....	2	2	
Menouf.....	Nov. 28-Dec. 15....	17	6	
Minieh.....	Dec. 21-Apr. 1....	54	29	
German East Africa:				
Mpwapwa.....	Sept. 19-Oct. 5....	7		
Hawaii:				
Hilo.....	Mar. 12-22.....	4	4	
Honokaa.....	Mar. 14-15.....	2	2	
India:				
Bombay.....	Dec. 27-Mar. 29....		937	
Calcutta.....	Nov. 20-Mar. 19....		196	
Kurrachee.....	Dec. 19-Mar. 26....	655	641	
Rangoon.....	Nov. 13-Mar. 19....		70	
Bombay Presidency and Sind.....	Nov. 7-Mar. 19....	20,573	14,461	
Madras Presidency.....	Nov. 7-Mar. 19....	1,329	942	
Bengal.....	Nov. 7-Mar. 19....	28,017	22,959	
United provinces.....	Nov. 7-Mar. 19....	93,311	86,809	
Punjab.....	Nov. 7-Mar. 19....	54,798	46,167	
Burma.....	Nov. 7-Mar. 19....	3,220	2,830	
Central provinces, including Berar.....	Nov. 7-Mar. 19....	22,317	17,689	
Coorg.....	Nov. 14-27.....	5	1	
Mysore State.....	Nov. 7-Mar. 19....	1,913	1,421	
Hyderabad State.....	Nov. 7-Mar. 19....	453	371	
Central India.....	Nov. 7-Mar. 19....	1,406	931	
Rajputana and Ajmer-Merwara.....	Nov. 7-Mar. 19....	12,183	10,562	
Kashmir.....	Nov. 7-Mar. 19....	404	235	
Grand total.....		239,929	205,318	
Indo-China:				
Saigon.....	Nov. 7-Dec. 25....	5	4	

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

## Reports Received from January 1 to May 6, 1910.

## PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Japan:</b>				
Kobe.....	Nov. 28-Mar. 12...	26	21	
Shikoku Island.....	Jan. 30-Feb. 5.....	1		
Paraguay.....	Dec. 10.....		30	In the northern part.
<b>Peru:</b>				
Arequipa, department.....	Dec. 10-16.....	1		
Mollendo.....	Dec. 20-Mar. 17...	14	5	
Callao department—				
Callao.....	Jan. 17-Feb. 7.....	5		
Lambayeque, department.....	Oct. 1-Dec. 16.....	39	13	
Pacasmayo.....	Mar. 19.....			Present.
Libertad, department.....	Nov. 19-Dec. 16.....	32	3	
Lima, department.....	Oct. 22-Dec. 16.....	10	6	
Lima.....	Feb. 11-25.....	1		In lazaretto from s. s. Ammon.
Pisco.....	Feb. 19.....	1		From s. s. Ammon.
<b>Persia:</b>				
Bouchir.....	Mar. 24.....	1		
<b>Mauritius</b>	Dec. 18-Jan. 27...	120	70	
<b>Russia:</b>				
Astrakan, government.....	Dec. 5-Feb. 27.....	134	120	
Naourzali-Tchagil.....	Jan. 17-Feb. 2.....	26	26	
Beiskulak.....	Dec. 10-16.....	18	16	
Bodai.....	Feb. 14-Mar. 1.....	23	21	
Dschedda.....	Jan. 7.....			Present.
Libau.....	Dec. 3-Mar. 18.....	4	4	
Novala-Kazanka.....	Feb. 20-Mar. 3.....	13	11	
Uralsk, district.....	Nov. 25-Jan. 12....	208	202	
<b>Siam:</b>				
Bangkok.....	Oct. 28-Feb. 28....	34	30	
Phrapatom.....	Feb. 15.....			Epidemic.
<b>Straits Settlements:</b>				
Singapore.....	Dec. 25-Jan. 1.....	2	2	
<b>Turkey in Asia:</b>				
Bassorah.....	Apr. 27.....			Present.
Beirut.....	Nov. 29-Apr. 9.....	4	1	
Jiddah.....	Jan. 5-Apr. 3.....	65	63	
<b>Venezuela:</b>				
Puerto Cabello.....	Feb. 24.....	2		
Zanzibar.....	Nov. 9-17.....	2	2	

## SMALLPOX.

<b>Abyssinia:</b>				
Adis Ababa.....	Feb. 19-26.....			Epidemic.
<b>Arabia:</b>				
Aden.....	Feb. 15-21.....		1	
<b>Algeria, general.....</b>	Dec. 1-15.....	22		
Algiers.....	Nov. 1-Jan. 31.....		3	
Bona.....	Dec. 1-Feb. 28.....	12	9	
<b>Argentina:</b>				
Buenos Aires.....	Oct. 1-Jan. 31.....		158	
Rosario.....	Dec. 1-31.....		1	
<b>Austria:</b>				
Bohemia.....	Feb. 20-Apr. 2.....	4		
Galicia.....	Jan. 1-Apr. 9.....	19		
Vienna.....	Jan. 9-29.....	2		
<b>Brazil:</b>				
Bahia.....	Nov. 20-Mar. 11....	386	259	
Para.....	Jan. 31-Mar. 5.....	1		
Pernambuco.....	Oct. 16-Mar. 15....		461	
Rio de Janeiro.....	Nov. 2-Feb. 27.....	25	1	
Sao Paulo.....	Nov. 1-21.....		2	
<b>Canada:</b>				
British Columbia—				
Vancouver.....	Jan. 1-Mar. 31.....	7		
Nova Scotia—				
Halifax.....	Dec. 19-Apr. 23....	13		
Windsor.....	Dec. 1-Jan. 31.....	40		
Ontario—				
Hamilton.....	Apr. 10-16.....	1		
Port Arthur.....	Mar. 11-19.....	5		
<b>Ceylon:</b>				
Colombo.....	Feb. 6-Mar. 5.....	7		
<b>Chile:</b>				
Antofagasta.....	Jan. 1.....			Present. Feb. 12, 8 cases in Lazaretto.
Q ota.....	Nov. 28-Dec. 4.....			Present.
Valparaiso.....	Mar. 26-Apr. 2.....	3		Nov. 20-Jan. 1, present.

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

## Reports Received from January 1 to May 6, 1910.

## SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>China:</b>				
Amoy, Kulangsu.....	Nov. 28-Mar. 19.....		17	
Canton.....	Dec. 12-Mar. 19.....	145	17	
Chang Cheun.....	Dec. 11.....			Present.
Chio Be.....	Dec. 11.....			Do.
Hankow.....	Jan. 2-Mar. 19.....	6	3	Dec. 19-Feb. 26, present among natives
Hongkong.....	Feb. 5-Mar. 12.....	14	5	
Nankin.....	Feb. 20-26.....		1	Mar. 12, present.
Shanghai.....	Nov. 1-Mar. 27.....	8	42	Deaths among natives.
Swatow.....	Apr. 6.....			Epidemic.
<b>Cuba:</b>				
Habana.....	Dec. 3-9.....	1		From s. s. La Navarre.
<b>Ecuador:</b>				
Guayaquil.....	Jan. 1-31.....	3		
<b>Egypt, general.</b>	Nov. 5-Feb. 18.....	749	187	
Alexandria.....	Nov. 5-Jan. 21.....	20	19	
Cairo.....	Nov. 26-Mar. 25.....	26	4	
Port Said.....	Mar. 19-25.....	1		
<b>France:</b>				
Nantes.....	Jan. 1-Mar. 31.....	2		
Paris.....	Dec. 5-Apr. 9.....	146	18	
<b>Germany, general.</b>	Dec. 5-Apr. 9.....	132		
Bremen.....	Feb. 27-Apr. 2.....	2		
Königsberg.....	Dec. 12-Jan. 15.....	2	2	In vicinity.
<b>Great Britain:</b>				
Bristol.....	Feb. 6-Mar. 26.....	4		Mar. 13-26. 2 cases on steamship from Bombay.
Greenock.....	Feb. 6-12.....	1		
Hull.....	Jan. 16-22.....	2		
Liverpool.....	Dec. 19-Apr. 9.....	10		
London.....	Nov. 28-Mar. 5.....	21		
Newcastle-on-Tyne.....	Feb. 13-Mar. 5.....	3	1	
Nottingham.....	Jan. 16-26.....	4	1	
Plymouth.....	Nov. 12-18.....		1	
Sheffield.....	Mar. 27-Apr. 9.....	5	1	
Southampton.....	Nov. 12-18.....	1		
South Shields.....	Feb. 13-19.....	1		
<b>Greece:</b>				
Athens.....	Nov. 22-Mar. 26.....		21	
<b>Hawaii:</b>				
Honolulu.....	Jan. 31-Apr. 15.....	5	1	2 cases Jan. 31 from U. S. S. Washington from Yokohama. 1 case Feb. 2 on s. s. Makura. 1 case Apr. 9 on s. s. Manchuria from the Orient. Case Apr. 15 on U. S. S. Albatross from Yokohama.
<b>India:</b>				
Bombay.....	Nov. 24-Mar. 29.....		522	
Calcutta.....	Nov. 14-Mar. 12.....		21	
Kurrachee.....	Jan. 2-Mar. 26.....	17	4	
Madras.....	Dec. 18-Mar. 18.....		10	
Rangoon.....	Nov. 20-Mar. 19.....		166	
<b>Indo-China:</b>				
Saigon.....	Dec. 7-13.....	1		
<b>Italy, general.</b>	Nov. 29-Apr. 10.....	330		
Genoa.....	Dec. 1-Mar. 15.....	20	1	
Milan.....	Jan. 1-16.....	1		
Naples.....	Dec. 6-Apr. 10.....	287	49	
<b>Japan:</b>				
Formosa.....	Feb. 6-Apr. 26.....	77	10	
Kobe.....	Dec. 12-25.....	1	1	
Nagasaki.....	Apr. 6.....	1		On s. s. Asia from Hongkong.
Yokohama.....	Mar. 22-Apr. 12.....	2		Mar. 22, one case on s. s. Ferd. Laeisz from Hamburg. Apr. 12, one case from s. s. Asia, from Hongkong via Nagasaki.
<b>Java:</b>				
Batavia.....	Dec. 12-Feb. 12.....	9	1	
<b>Korea:</b>				
Fusan.....	Jan. 26-Mar. 12.....	9	2	
Hanyokyo.....	Feb. 26.....			Present.
<b>Liberia:</b>				
Monrovia.....	Nov. 28-Dec. 4.....	6		
<b>Malta:</b>				
Valetta.....	Dec. 12-Jan. 15.....	3	1	

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from January 1 to May 6, 1910.

## SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Manchuria:</b>				
Tie-ling.....	Feb. 19.....			Present.
<b>Mexico:</b>				
Agua Calientes.....	Dec. 12-Apr. 16.....		56	
Chihuahua.....	Dec. 13-Mar. 27.....	16	9	
Guadalajara.....	Jan. 29-Mar. 11.....		6	
Manzanillo.....	Mar. 1-6.....	5		
Mexico.....	Nov. 14-Mar. 19.....		21	
Monterey.....	Nov. 13-Apr. 10.....		4	
Veracruz.....	Feb. 13-19.....	1		
<b>Newfoundland:</b>				
St. Johns.....	Apr. 3-9.....	1		
<b>New Providence:</b>				
Nassau.....	Apr. 2.....	1		From s.s.; Vigilancia.
<b>Netherlands:</b>				
Rotterdam.....	Dec. 5-11.....	7		
<b>Persia:</b>				
Arabistan.....	Dec. 6-31.....			Present.
Enzeli.....	Jan. 9-Feb. 2.....			Do.
Hamadan.....	Nov. 15-Dec. 31.....			Do.
Kasbin.....	Jan. 5-Feb. 3.....			Do.
Kurdistan.....	Dec. 6-31.....			Do.
Laristan.....	Dec. 9-15.....			Do.
Mohammerah.....	Jan. 9-Feb. 2.....			Do.
Sultanabad.....	Nov. 15.....			Do.
Teheran.....	Nov. 1-Dec. 2.....			Do.
<b>Peru:</b>				
Callao.....	Dec. 6-12.....			Do.
<b>Philippine Islands:</b>				
Manila.....	Nov. 14-Mar. 12.....	49		Third quarter, 1909, 1 Cases, 5 deaths, 0.
<b>Portugal:</b>				
Lisbon.....	Dec. 5-Apr. 9.....	336		
<b>Porto Rico, general.</b>	July 1-Dec. 31.....	72	12	
<b>Russia:</b>				
Batoum.....	Dec. 1-31.....	5		
Libau.....	Dec. 6-Apr. 10.....	60	2	
Moscow.....	Nov. 21-Mar. 26.....	282	100	
Odessa.....	Nov. 21-Apr. 2.....	505	102	
Riga.....	Dec. 5-Apr. 2.....	57		Oct. 1-Dec. 31, 26 deaths.
St. Petersburg.....	Nov. 28-Apr. 2.....	820	231	
Saratov.....	Mar. 19-25.....			Epidemic.
Warsaw.....	Oct. 21-Feb. 5.....		223	
<b>Siam:</b>				
Bangkok.....	Nov. 28-Feb. 28.....	11	10	
<b>Siberia:</b>				
Vladivostok.....	Jan. 15-Feb. 13.....	6	2	
<b>Spain:</b>				
Almeria.....	Jan. 1-Feb. 28.....		16	
Barcelona.....	Dec. 14-Apr. 11.....		42	
Cadiz.....	Jan. 1-31.....		1	
Huelva.....	Nov. 1-Feb. 28.....		19	
Madrid.....	Dec. 1-Mar. 31.....		65	Report for February not received.
Seville.....	Dec. 1-Mar. 31.....	18		
Tarragona.....	Feb. 20-26.....		1	
Valencia.....	Jan. 9-Apr. 9.....	20		
Vigo.....	Jan. 23-Mar. 19.....		2	Mar. 5-19, present in vicinity.
<b>Straits Settlements:</b>				
Singapore.....	Jan. 22-Mar. 19.....		11	
<b>Tripoli:</b>				
Tripoli.....	Nov. 14-Dec. 25.....	242	24	
<b>Turkey:</b>				
Constantinople.....	Jan. 2-Feb. 6.....		2	
<b>Turkey in Asia:</b>				
Bagdad.....	Nov. 21-Feb. 26.....			Present.
Salonica.....	Jan. 1-31.....		3	
Smyrna.....	Nov. 5-Dec. 31.....		42	
Trebizond.....	Mar. 5.....			Do.
<b>Uruguay:</b>				
Montevideo.....	Oct. 1-Jan. 31.....		94	
<b>Venezuela:</b>				
La Guaira.....	Mar. 1-15.....	1		

## MORTALITY.

## WEEKLY MORTALITY TABLE, FOREIGN AND INSULAR CITIES.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—									
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.
Aberdeen	Apr. 16	185,703	32									1	
Aix-la-Chapelle	Apr. 9	161,913	55	4								1	
Amsterdam	Apr. 16	569,712	151	30								2	1
Do.	Apr. 24	569,948	166	23					3	1		1	
Antwerp	Apr. 16	326,351	94	8								1	6
Athens	Apr. 2	250,010	81	13						5			
Bahia	Mar. 18	265,000	111	10	2			21					
Do.	Mar. 25		108	12	1			16					
Barmen	Apr. 9	164,100	36	6								1	
Batavia	Mar. 26	217,630	4						1				
Beirut	Apr. 9	80,000			1								
Belfast	Apr. 16	391,167	187	35								17	5
Bergen	do.	87,749	19	3					1				1
Berlin	Apr. 9	2,122,786	574	88					1	8	19	7	6
Bombay	Apr. 5	977,822	813	61	108			86	2			3	
Bradford	Apr. 16	295,865	82	7								7	
Bremen	Apr. 15	235,648	65	9								1	1
Do.	Apr. 23		69	12								1	1
Bristol	do.	382,550	91	6									
Brussels	Apr. 16	720,030	235	11						2	1	5	6
Budapest	Apr. 17	950,610									3		2
Cairo	Apr. 1	677,693	394	23				2	5			11	4
Do.	Apr. 8		490	16					8	3		5	13
Do.	Apr. 15		459	26				1	2	3	3	3	9
Canton	Mar. 26	1,000,000	120	10						3		2	
Chemnitz	Apr. 16	281,006	88	10							1		
Chihuahua	Apr. 24	37,000	30	1								1	1
Christiania	Apr. 16	236,000	63	10									
Do.	Apr. 23		57	9						1		2	
Cologne	Apr. 16	510,903	173	34							1	3	2
Colombo	Mar. 19	187,564	102	13						4			
Constantinople	Apr. 17	1,000,000	254	36						2	5	1	4
Do.	Apr. 24		217	42						5	2		4
Copenhagen	Apr. 9	455,000	152	21							3		2
Dresden	Apr. 16	550,800	153	17								4	
Dundee	Apr. 23	170,206	84									1	21
Edinburgh	Apr. 16	360,276	114	12								5	
Erfurt	Apr. 9	109,168	34	4								2	1
Frankfort on the Main	Apr. 16	406,000	90									2	2
Geneva	Apr. 9	121,500	43									4	
Ghent	Apr. 16	165,475	62	5								2	
Glasgow	Apr. 22	872,021	336								1	4	17
Gothenburg	Apr. 16	164,000	65	13						1		2	1
Hamburg	do.	895,804	282	27						1		5	4
Havre	do.	132,430	62	14								1	
Hilo	do.	3,500	5							2			
Hull	do.	280,006	83										1
Do.	Apr. 23		76								1	1	1
Karachi	Apr. 2	130,000	110		67			1					
Kingston	Apr. 16	48,504								1			
Kobe	Apr. 9	387,915	141		1					1		3	
Konigsberg	Apr. 16	243,200	102	9							1	1	2
Leeds	Apr. 23	490,985	129	9								2	1
Leipzig	Apr. 16	590,329	155	21						1	2	2	3
Leith	do.	86,767	27	4								2	
Libau	do.	90,000						2					
Liverpool	Apr. 23	767,606	285									3	16
London	Apr. 16	7,537,196	1,938							9	11	17	56
Lyon	Apr. 9	500,000	202	29						1		1	5
Managua	do.	22,278	17									1	
Manaos	do.	52,000	48	4				5					
Madras	Apr. 1	550,000	369			2		6				7	
Manchester	Apr. 16	631,533	263	28							1	5	5
Mannheim	Apr. 2	193,291	37	7									9
Do.	Apr. 9		51	18									1
Mexico	Mar. 26	500,000	392	25				2	17		5		1
Do.	Apr. 2		408	29				1	11		1	2	2
Montreal	Apr. 30	530,000	148	14							2	4	4

## MORTALITY—Continued.

Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—									
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.
Moscow.....	Apr. 2	1,500,000	693	90	...	...	...	2	6	3	19	17	29
Monterey.....	Apr. 24	100,000	89	10	...	...	...	...	...	...	...	...	3
Munich.....	Apr. 9	576,000	178	31	...	...	...	...	...	...	1	1	1
Do.....	Apr. 16	...	183	26	...	...	...	...	...	...	2	1	2
Naples.....	Apr. 15	593,729	301	...	...	...	...	1	...	...	...	...	...
Newcastle-on-Tyne.....	Apr. 16	285,891	102	...	...	...	...	...	...	1	1	...	1
Nottingham.....	do.....	260,000	86	...	...	...	...	...	...	2	...	2	2
Nuremberg.....	Apr. 9	323,500	105	14	...	...	...	...	...	...	...	13	2
Para.....	Apr. 16	185,000	125	13	...	...	15	...	...	...	...	...	...
Do.....	Apr. 23	...	101	8	1	...	6	...	...	...	...	2	...
Paris.....	Apr. 16	2,776,394	1,092	247	...	...	...	...	1	1	...	30	8
Plymouth.....	Apr. 23	124,180	...	...	...	...	...	...	...	1	1	...	1
Port Elizabeth.....	Mar. 19	32,959	13	2	...	...	...	...	...	...	...	...	...
Do.....	Mar. 26	...	8	...	...	...	...	...	1	...	...	1	...
Do.....	Apr. 9	...	19	1	...	...	...	...	1	...	...	1	...
Port Said.....	Apr. 1	52,591	40	1	...	...	...	...	...	...	...	...	...
Do.....	Apr. 8	...	32	2	...	...	...	...	1	...	...	...	...
Do.....	Apr. 15	...	20	1	...	...	...	...	...	...	...	...	...
Port of Spain.....	Apr. 9	60,000	25	10	...	...	1	...	...	...	...	...	...
Prague.....	Apr. 16	233,344	93	21	...	...	...	...	...	1	...	3	...
Quebec.....	Apr. 30	85,000	...	...	...	...	...	...	...	...	1	...	...
Rangoon.....	Mar. 26	252,155	239	4	25	...	...	48	...	...	...	...	...
St. Johns, N. F.....	Apr. 23	31,000	918	130	...	...	...	...	...	13	14	18	87
St. Petersburg.....	Apr. 9	1,678,000	37	3	...	...	...	17	...	1	11	4	1
Santa Cruz de Tenerife.....	Apr. 16	46,000	35	4	...	...	...	...	...	9	5	...	...
Do.....	Apr. 23	...	171	8	...	...	...	12	...	1	1	...	...
Shanghai.....	Apr. 3	565,000	26	8	...	...	...	...	...	...	...	...	...
Southampton.....	Apr. 23	127,157	81	5	...	...	...	...	...	1	...	1	1
Stettin.....	Apr. 16	239,000	134	20	...	...	...	...	...	7	2	15	2
Stockholm.....	Apr. 9	339,582	...	...	...	...	...	...	...	1	...	...	...
Talcahuano.....	do.....	2,800	7	...	...	...	...	...	2	...	...	...	...
Tarragona.....	Apr. 16	20,400	105	...	...	...	...	...	1	...	1	...	...
Trieste.....	do.....	221,124	165	21	...	...	...	...	...	2	4	4	1
Turin.....	Apr. 7	391,968	113	10	...	...	...	...	1	...	...	...	...
Valencia.....	Apr. 16	240,000	72	6	...	...	...	...	8	...	...	4	...
Venice.....	Apr. 9	183,224	774	138	...	...	...	...	1	...	10	36	10
Vienna.....	Apr. 16	2,107,981	13	3	...	...	...	...	1	...	...	...	...
Vigo.....	do.....	40,000	10	1	...	...	...	...	...	1	...	...	...
Vladivostok.....	Mar. 21	90,162	271	46	...	...	...	22	3	3	2	1	10
Warsaw.....	Feb. 12	764,054	284	62	...	...	...	16	4	4	1	2	7
Do.....	Feb. 19	...	299	55	...	...	...	11	2	2	5	1	5
Do.....	Feb. 26	...	...	...	...	...	...	...	...	...	3	...	...
Yokohama.....	Apr. 11	407,432	...	...	...	...	...	...	...	...	...	...	...

MORTALITY—FOREIGN AND INSULAR—COUNTRIES AND CITIES  
(untabulated).

AUSTRALIA—*New Castle*.—Month of February, 1910. Population 53,450. Total number of deaths from all causes 40, including typhoid fever 1, diphtheria 2, tuberculosis 7.

FRANCE—*Nice*.—Month of February, 1910. Population 150,881. Total number of deaths from all causes 267, including typhoid fever 1, diphtheria 2, tuberculosis 34,

*St. Etienne*.—Two weeks ended April 15, 1910. Population 150,000. Total number of deaths from all causes 182, including measles 2, scarlet fever 1, tuberculosis 30.

GREAT BRITAIN.—Week ended April 9, 1910.

*England and Wales.*—The deaths registered in 77 great towns correspond to an annual rate of 14.9 per 1,000 of the aggregate population, which is estimated at 16,940,895.

*Ireland.*—The deaths registered in 21 principal town districts correspond to an annual rate of 23.2 per 1,000 of the population, which is estimated at 1,151,790. The lowest rate was recorded at Tralee, viz, 5.3, and the highest at Lisburn, viz, 36.4.

*Scotland.*—The deaths registered in 8 principal towns correspond to an annual rate of 18.2 per 1,000 of the population, which is estimated at 1,864,194. The lowest rate was recorded at Greenock, viz, 29.1, and the highest in Dundee, viz, 29.4 per 1,000. The total number of deaths from all causes was 659, including typhoid fever 1, measles 74, scarlet fever 10, diphtheria 14.

ITALY—*Genoa.*—Two weeks ended April 15, 1910. Population 279,163. Total number of deaths from all causes 260, including typhoid fever 1, measles 1, diphtheria 2, tuberculosis 24.

By authority of the Secretary of Treasury:

WALTER WYMAN,

Surgeon-General,

United States Public Health and Marine-Hospital Service.